

**Data from the Commercial Fishery for  
Lake Whitefish, *Coregonus clupeaformis*  
(Mitchill), on Great Slave Lake, Northwest  
Territories, 1996/97 to 1998/99.**

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**by**

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## ABSTRACT

Read, C.J. and W.E.F. Taptuna. 2001. Data from the commercial fishery for lake whitefish, *Coregonus clupeaformis* (Mitchill), on Great Slave Lake, Northwest Territories, 1996/97 to 1998/99. Can. Data Rep. Fish. Aquat. Sci. 1081: v + 45p.

Data from the fish plant sampling program on Great Slave Lake are presented. Production figures for lake whitefish and other species are shown. A total of 4371 lake whitefish were sampled for length, weight and age.

Key words: commercial fishing; fishery management; monitoring.

## RÉSUMÉ

Read, C.J. and W.E.F. Taptuna. 2001. Data from the commercial fishery for lake whitefish, *Coregonus clupeaformis* (Mitchill), on Great Slave Lake, Northwest Territories, 1996/97 to 1998/99. Can. Data Rep. Fish. Aquat. Sci. 1081: v + 45p.

Le rapport présente des données sur le programme d'échantillonnage à l'usine de transformation du poisson du Grand lac des Esclaves. On y donne les chiffres de production pour le grand corégone et d'autres espèces. Les données sur l'âge, la longueur et le poids ont été recueillies à partir d'un échantillon de 4371 grands corégonos.

Mots-clés: pêche commerciale; gestion des pêches; contrôle.

## INTRODUCTION

Commercial fishing first began on Great Slave Lake in 1945. Since then the fishery has been monitored annually for total catch; however, few studies were conducted on the effects of exploitation on the stocks of the commercial species (Rawson 1951, 1953a; Keleher 1972; Kennedy 1956) until the 1970's.

In 1971, the Department of Fisheries began a long term stock assessment and monitoring program designed to collect information considered essential for the sound management of the Great Slave Lake commercial fishery. These programs are consistent with the recommendation of the Great Slave Lake Working Party (1969) outlined in Roberge et al. (1982).

In order to meet these objectives, a three-component field study was implemented including fish plant sampling, fishery observations and experimental gillnetting. Results of this work for the years 1972 to 1995/96 have been described by Bond (1974a, b, 1975a, b), Bond and Turnbull (1973), Moshenko et al. (1978, 1981), Moshenko and Low (1978a, b, 1979, 1980) Roberge et al. (1982, 1984), Low and Read (1987), Low et al. (1989), Low and Read (1993), Read and Taptuna (1995) and Read and Taptuna (1997).

Only the fish plant sampling component was carried out for the three years of data presented in this report.

## STUDY AREA

Great Slave Lake lies in the southwest corner of the District of Mackenzie, Northwest Territories (Fig. 1). It is the fifth largest lake in North America, having a surface area of 27 195 km<sup>2</sup> and a drainage area of 985 300 km<sup>2</sup>. Stretching 440 km from its extreme east end to the outlet of the Mackenzie River, the lake straddles two physiographic regions. The northeast shore of the north arm and the east arm lie within the Precambrian Shield and have irregular, precipitous margins. The western portion of the lake overlies the alluvial plain known as the Mackenzie Lowlands and has few islands and

gently sloping shores. The rivers entering the lake from the shield are cold, clear and rapidly flowing while those entering from the south are slow flowing brown water streams laden with silt during spring and early summer. While the western basin has a maximum depth of approximately 165 m and a mean depth of 42 m, a depth of 625 m has been recorded in the east arm (Rawson 1950). Physical and biological characteristics of the lake have been described in detail by Rawson (1950, 1951, 1953a, b).

## DESCRIPTION OF THE FISHERY

Great Slave Lake has been fished commercially since 1945. During the 1950's annual production of whitefish and trout averaged 2.9 million kg as the large accumulated stock was exploited. Since the 1950's commercial production of both species has decreased annually and whitefish and trout have reacted differently to exploitation (Keleher 1972). The commercial fishery on the west end of the lake has now stabilised and is being managed primarily for whitefish production with secondary consideration for lake trout, the latter being unable to withstand commercial gillnetting. Inconnu are protected by seasonal closures of inshore areas where they tend to congregate.

Gillnets have been the sole means of exploitation by the commercial fishery since its inception. The legal minimum mesh size was 139 mm stretched mesh until regulation changes in 1977 allowed the use of 133 mm mesh as the legal minimum mesh size. In November 1997 the legal mesh size in areas 1E, 2, 3 and 4 was changed to 127 mm stretched mesh. There has been no restriction since 1961 on the number of nets a fisherman may use. Almost the entire lake has been open to commercial fishing at some point in the history of the fishery, although certain areas have been closed to protect subsistence and sport fisheries (Fig. 1 and Northwest Territories Fishery Regulations 1985). The east arm of Great Slave Lake (Area VI) was completely closed to commercial fishing in 1974 and is being managed exclusively for subsistence and sport fishing (Moshenko and Gillman 1978).

There are at least 25 fish species in the lake (Keleher 1972) of which only five are of commercial importance. The major commercial species in decreasing order of importance are: lake whitefish, *Coregonus clupeaformis* (Mitchill); lake trout, *Salvelinus namaycush* (Walbaum); inconnu, *Stenodus leucichthys nelma* (Pallas); northern pike, *Esox lucius* (Linnaeus); and walleye (pickerel), *Stizostedion vitreum vitreum* (Mitchill). Cisco, *Coregonus* spp., burbot, *Lota lota* (Linnaeus) and longnose sucker, *Catostomus catostomus* (Forster) may constitute up to 40% or more of the total catch; however, most are culled on the lake due to a soft market demand.

The commercial portion of the lake is divided into six administrative areas for management purposes and a portion of the total annual quota is allotted to each area (Table 1). The annual quota is based on the period commencing 1 November and terminating on the following 31 October and applies to the combined catch for both the winter and summer fisheries. Previous to the 1990/91 season the entire quota was based on whitefish and trout combined. Starting in the 1990/91 season the quota in administrative areas 1W, 1E, 2, 3, and 4 was based on whitefish only, while the area 5 quota remained combined for whitefish and trout. Other species such as inconnu are managed on an individual basis by closing waters where they are vulnerable to over exploitation. More detailed histories of the commercial fishery on Great Slave Lake are given by Kennedy (1956), Keleher (1972) and Bond and Turnbull (1973). The description of the winter and summer fisheries is summarized by Moshenko et al. (1978).

## MATERIALS AND METHODS

### Harvest Records And Sampling Procedures

Production summaries of the landings by species by administrative area were compiled from figures supplied by the Freshwater Fish Marketing Corporation (FFMC).

Production values presented in this report (Tables 2-8) do not include whitefish culls at the plant (as they did in previous reports) or

deteriorated whitefish that are discarded on the lake.

The following table lists the factors used to convert various species and forms to round weight:

| Species   | Form             | Conversion Factor |
|-----------|------------------|-------------------|
| Whitefish | dressed          | x 1.17            |
| Pickerel  | dressed          | x 1.22            |
|           | headless dressed | x 1.39            |
| Trout     | dressed          | x 1.21            |
|           | headless dressed | x 1.53            |
| Pike      | dressed          | x 1.22            |
|           | headless dressed | x 1.53            |
| Inconnu   | dressed          | x 1.16            |
|           | headless dressed | x 1.35            |

Commercial landings of whitefish were sampled from each of the six administrative areas fished during the sample periods. Sampling frequency was based on a schedule as follows:

Winter - December 1 to March 30

Summer - June 10 to July 15

Fall - September 1 to October 15

Some deviations from this schedule resulted because of the unavailability of samples within this time frame. The deviations and resulting season designations are as follows:

|         |         |        |      |
|---------|---------|--------|------|
| 1996/97 | Area II | Aug 26 | fall |
| 1997/98 | Area II | Aug 25 | fall |
| 1998/99 | Area II | Aug 14 | fall |
|         | Area IV | Aug 24 | fall |

Boxes of fish were selected at random from the catches of various harvesters as they arrived at the plant. All whitefish in the box, up to a maximum of 70 fish per individual harvester, were sampled. Thus, the sample of 200 whitefish should have been taken from at least three different harvesters. An additional 10 fish were sampled to compensate for scale samples which were unsuitable for aging. The fish were measured for fork length (to the nearest 1 mm) and dressed weight (to the nearest 5 g). Scales were taken from the left side of the fish from the area just above the lateral line and below the dorsal fin. In the laboratory every second sample was selected for aging.

## Biological Data

The scale age of whitefish was determined by counting the number of completed annuli. That is, an age 10 fish was in its eleventh year.

SAS (Version 8.0) for Windows was used to generate the age and length tables.

## ACKNOWLEDGMENTS

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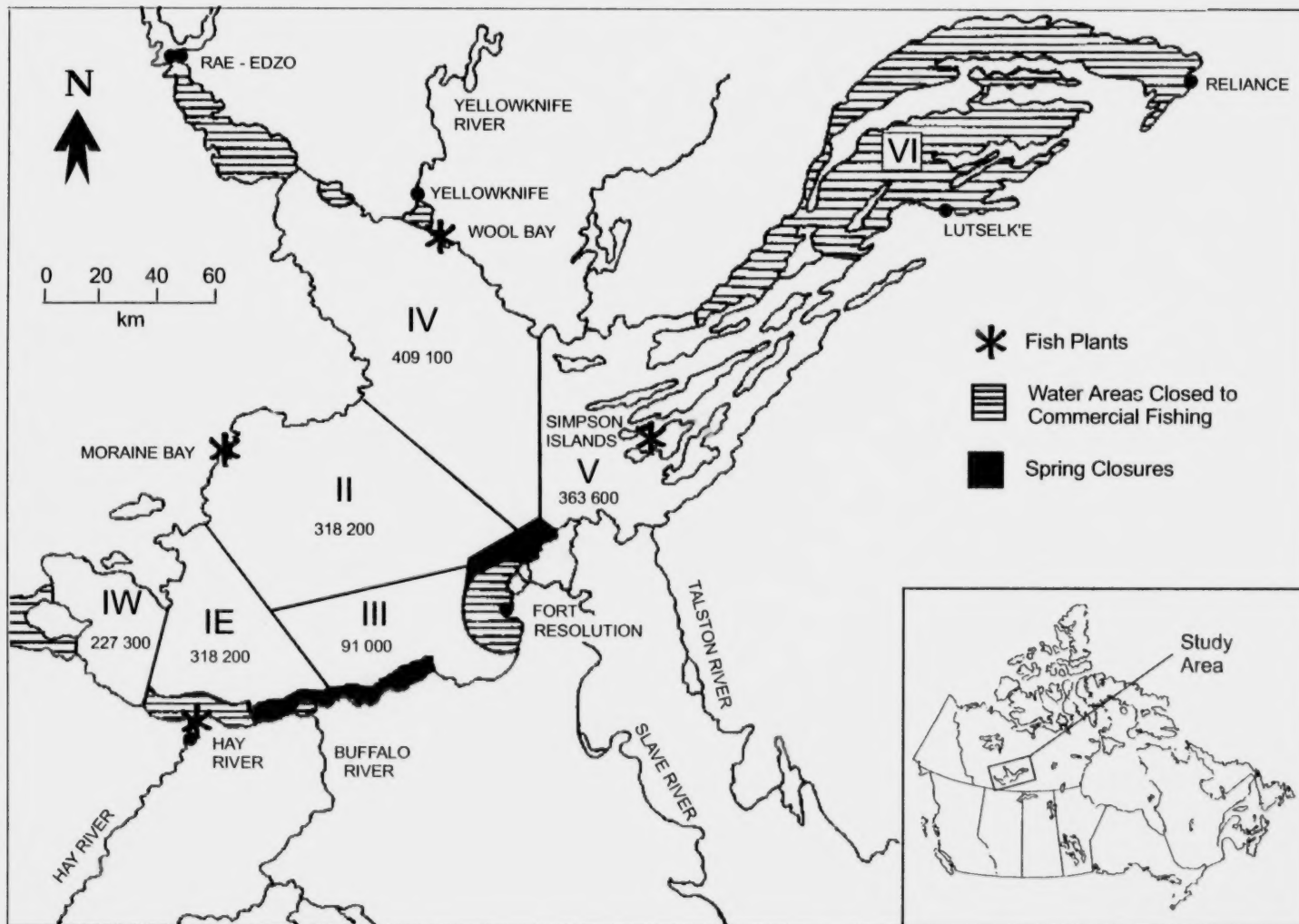


Fig. 1. Map of Great Slave Lake showing the administrative areas and quotas, areas closed to commercial fishing and the location of the fish plants. (The Simpson Islands fish plant has not been in operation since 1991.)

Table 1. Commercial quotas in effect on Great Slave Lake during 1975/76 to 1998/99 seasons.

| Year                 | Commercial Quota of Whitefish and Trout <sup>1</sup><br>(kg round weight) |         |         |          |         |         | Total     |
|----------------------|---------------------------------------------------------------------------|---------|---------|----------|---------|---------|-----------|
|                      | Area IW                                                                   | Area IE | Area II | Area III | Area IV | Area V  |           |
| 1975-76              | 227,273                                                                   | 318,181 | 681,819 | Nil      | 622,727 | 325,000 | 2,175,000 |
| 1976-77              | 227,273                                                                   | 318,181 | 318,181 | Nil      | 409,091 | 272,729 | 1,545,455 |
| 1977-78              | 227,273                                                                   | 318,181 | 318,181 | Nil      | 409,091 | 272,729 | 1,545,455 |
| 1978-79              | 227,273                                                                   | 318,181 | 318,181 | 45,455   | 409,091 | 295,455 | 1,613,636 |
| 1979-80              | 227,273                                                                   | 318,181 | 318,181 | 45,455   | 409,091 | 363,637 | 1,681,818 |
| 1980-81              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1981-82              | 227,300                                                                   | 318,200 | 318,200 | 79,500   | 409,100 | 363,600 | 1,715,900 |
| 1982-83              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1983-84              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1984-85              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1985-86              | 227,300                                                                   | 318,200 | 318,200 | 70,000   | 409,100 | 363,600 | 1,706,400 |
| 1986-87              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1987-88              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1988-89              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1989-90              | 227,300                                                                   | 318,200 | 318,200 | 45,500   | 409,100 | 363,600 | 1,681,900 |
| 1990-91 <sup>2</sup> | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1991-92              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1992-93              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1993-94              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1994-95              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1995-96              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1996-97 <sup>3</sup> | 247,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,747,400 |
| 1997-98              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |
| 1998-99              | 227,300                                                                   | 318,200 | 318,200 | 91,000   | 409,100 | 363,600 | 1,727,400 |

<sup>1</sup> Season runs from November 1 of one year to October 31 of next year.

<sup>2</sup> Quotas previous to the 1990/91 season were a combined quota for whitefish and trout. Starting in the 1990/91 season the quota for Area V remained a combined quota; for other areas the quota was for whitefish only.

<sup>3</sup> The quota for Area1W was increased for the 1996/97 season only.

Table 2. Total production of commercial species (kg round weight) by administrative area, 1996/97.

| Species   | Production from each Administration Area |         |         |          |         |         | Total     |
|-----------|------------------------------------------|---------|---------|----------|---------|---------|-----------|
|           | Area IW                                  | Area IE | Area II | Area III | Area IV | Area V  |           |
| Whitefish | 260,085                                  | 124,313 | 180,444 | 58,560   | 284,127 | 125,503 | 1,033,032 |
| Trout     | 6,924                                    | 38,624  | 8,084   | 745      | 5,871   | 43,687  | 103,935   |
| Pike      | 61,619                                   | 15,099  | 5,677   | 2,966    | 33,564  | 13,698  | 132,623   |
| Inconnu   | 887                                      | 7,507   | 720     | 16,026   | 5,398   | 38,232  | 68,770    |
| Walleye   | 1,454                                    | 4,338   | 279     | 1,413    | 10,894  | 377     | 18,755    |
| Burbot    | 6,019                                    | 9,449   | 18,544  | 8,764    | 14,965  | 9,503   | 67,244    |
| Sucker    | 0                                        | 576     | 0       | 0        | 13,363  | 28      | 13,967    |
| Total     | 336,988                                  | 199,906 | 213,748 | 88,474   | 368,182 | 231,028 | 1,438,326 |

Note: The Area V quota is for whitefish and trout: other quotas are for whitefish only and other species caught are considered by-catch.

Table 3. Total production of commercial species (kg round weight) by administrative area, 1997/98.

| Species   | Production from each Administration Area |         |         |          |         |         | Total     |
|-----------|------------------------------------------|---------|---------|----------|---------|---------|-----------|
|           | Area IW                                  | Area IE | Area II | Area III | Area IV | Area V  |           |
| Whitefish | 232,836                                  | 139,531 | 189,637 | 48,488   | 258,261 | 39,431  | 908,184   |
| Trout     | 11,884                                   | 12,373  | 6,536   | 556      | 8,910   | 52,755  | 93,014    |
| Pike      | 76,003                                   | 23,440  | 8,440   | 1,294    | 34,952  | 3,153   | 147,282   |
| Inconnu   | 2,870                                    | 9,100   | 539     | 2,114    | 4,997   | 10,520  | 30,140    |
| Walleye   | 1,961                                    | 7,889   | 103     | 529      | 2,339   | 35      | 12,856    |
| Burbot    | 0                                        | 7,754   | 28,195  | 3,369    | 5,298   | 3,195   | 47,811    |
| Sucker    | 0                                        | 3,425   | 1,846   | 1        | 7,687   | 0       | 12,959    |
| Total     | 325,554                                  | 203,512 | 235,296 | 56,351   | 322,444 | 109,089 | 1,252,246 |

Note: The Area V quota is for whitefish and trout: other quotas are for whitefish only and other species caught are considered by-catch.

Table 4. Total production of commercial species (kg round weight) by administrative area, 1998/99.

| Species   | Production from each Administration Area |         |         |          |         |        | Total     |
|-----------|------------------------------------------|---------|---------|----------|---------|--------|-----------|
|           | Area IW                                  | Area IE | Area II | Area III | Area IV | Area V |           |
| Whitefish | 243,984                                  | 155,409 | 223,624 | 31,300   | 178,027 | 23,373 | 855,717   |
| Trout     | 7,174                                    | 11,825  | 7,566   | 273      | 8,041   | 49,900 | 84,779    |
| Pike      | 61,185                                   | 7,038   | 24,115  | 1,213    | 29,974  | 1,320  | 124,845   |
| Inconnu   | 3468                                     | 10,898  | 986     | 610      | 5,866   | 5,549  | 27,377    |
| Walleye   | 1,879                                    | 7,996   | 228     | 609      | 3,006   | 35     | 13,753    |
| Burbot    | 28,032                                   | 25,277  | 37,192  | 4,477    | 37,981  | 4,834  | 137,793   |
| Sucker    | 2,037                                    | 4,306   | 2,054   | 6        | 3,449   | 0      | 11,852    |
| Total     | 347,759                                  | 222,749 | 295,765 | 38,488   | 266,344 | 85,011 | 1,256,116 |

Note: The Area V quota is for whitefish and trout; other quotas are for whitefish only and other species caught are considered by-catch.

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Table 5. Production of whitefish and trout (kg round weight) from each administrative area for winter and summer, 1996/97.

| Administrative Area | Winter    |        | Summer    |        | Total     |         | Total     |
|---------------------|-----------|--------|-----------|--------|-----------|---------|-----------|
|                     | Whitefish | Trout  | Whitefish | Trout  | Whitefish | Trout   |           |
| IW                  | 179,734   | 4,222  | 80,351    | 2,702  | 260,085   | 6,924   | 267,009   |
| IE                  | 27,979    | 2,197  | 96,334    | 36,427 | 124,313   | 38,624  | 162,937   |
| II                  | 55,598    | 1,670  | 124,846   | 6,414  | 180,444   | 8,084   | 188,528   |
| III                 | 22,921    | 564    | 35,639    | 181    | 58,560    | 745     | 59,305    |
| IV                  | 194,940   | 992    | 89,187    | 4,879  | 284,127   | 5,871   | 289,998   |
| V                   | 86,228    | 5,214  | 39,275    | 38,473 | 125,503   | 43,687  | 169,190   |
| Total               | 567,400   | 14,859 | 465,632   | 89,076 | 1,033,032 | 103,935 | 1,136,967 |

Note: The Area V quota is for whitefish and trout; other quotas are for whitefish only and other species caught are considered by-catch.

Table 6. Production of whitefish and trout (kg round weight) from each administrative area for winter and summer, 1997/98.

| Administrative Area | Winter    |        | Summer    |        | Total     |        |           |
|---------------------|-----------|--------|-----------|--------|-----------|--------|-----------|
|                     | Whitefish | Trout  | Whitefish | Trout  | Whitefish | Trout  | Total     |
| IW                  | 149,584   | 7,326  | 83,252    | 4,558  | 232,836   | 11,884 | 244,720   |
| IE                  | 20,741    | 1,165  | 118,790   | 11,208 | 139,531   | 12,373 | 151,904   |
| II                  | 10,435    | 387    | 179,202   | 6,149  | 189,637   | 6,536  | 196,173   |
| III                 | 22,664    | 499    | 25,824    | 57     | 48,488    | 556    | 49,044    |
| IV                  | 156,754   | 2,297  | 101,507   | 6,613  | 258,261   | 8,910  | 267,171   |
| V                   | 17,782    | 1,912  | 21,649    | 50,843 | 39,431    | 52,755 | 92,186    |
| Total               | 377,960   | 13,586 | 530,224   | 79,428 | 908,184   | 93,014 | 1,001,198 |

Note: The Area V quota is for whitefish and trout; other quotas are for whitefish only and other species caught are considered by-catch.

Table 7. Production of whitefish and trout (kg round weight) from each administrative area for winter and summer, 1998/99.

| Administrative Area | Winter    |       | Summer    |        | Total     |        |         |
|---------------------|-----------|-------|-----------|--------|-----------|--------|---------|
|                     | Whitefish | Trout | Whitefish | Trout  | Whitefish | Trout  | Total   |
| IW                  | 160,256   | 2,835 | 83,728    | 4,268  | 243,984   | 7,103  | 251,087 |
| IE                  | 56,099    | 1,392 | 99,310    | 10,424 | 155,409   | 11,816 | 167,225 |
| II                  | 25,776    | 1,395 | 197,848   | 6,171  | 223,624   | 7,566  | 231,190 |
| III                 | 3,503     | 191   | 27,797    | 56     | 31,300    | 247    | 31,547  |
| IV                  | 75,590    | 1,264 | 102,436   | 6,777  | 178,026   | 8,041  | 186,067 |
| V                   | 3,174     | 282   | 20,200    | 49,618 | 23,374    | 49,900 | 73,274  |
| Total               | 324,398   | 7,359 | 531,319   | 77,314 | 855,717   | 84,673 | 940,390 |

Note: The Area V quota is for whitefish and trout; other quotas are for whitefish only and other species caught are considered by-catch.

Table 8. Annual production (X 1000 kg, round weight) of commercial species, Great Slave Lake, 1972/73 to 1998/99.

| Year    | Whitefish | Trout | Pike | Inconnu | Walleye | Burbot | Sucker | Total             |             |
|---------|-----------|-------|------|---------|---------|--------|--------|-------------------|-------------|
|         |           |       |      |         |         |        |        | Whitefish & Trout | All Species |
| 1972-73 | 1,004     | 92    | 155  | 103     | 17      |        |        | 1,096             | 1,371       |
| 1973-74 | 973       | 111   |      |         |         |        |        | 1,084             | 1,084       |
| 1974-75 | 921       | 99    | 96   | 95      | 10      |        |        | 1,020             | 1,221       |
| 1975-76 | 975       | 83    | 103  | 77      | 9       |        |        | 1,058             | 1,247       |
| 1976-77 | 1,172     | 108   | 118  | 86      | 11      |        |        | 1,280             | 1,495       |
| 1977-78 | 1,107     | 105   | 157  | 153     | 13      |        |        | 1,212             | 1,535       |
| 1978-79 | 1,065     | 121   | 129  | 153     | 6       |        |        | 1,186             | 1,474       |
| 1979-80 | 1,178     | 122   | 199  | 65      | 19      |        |        | 1,300             | 1,583       |
| 1980-81 | 1,097     | 85    | 151  | 43      | 4       |        |        | 1,182             | 1,380       |
| 1981-82 | 1,139     | 75    | 166  | 23      | 8       |        |        | 1,214             | 1,411       |
| 1982-83 | 899       | 61    | 115  | 16      | 5       |        |        | 960               | 1,096       |
| 1983-84 | 863       | 50    | 108  | 47      | 15      |        |        | 913               | 1,083       |
| 1984-85 | 876       | 110   | 155  | 72      | 13      |        |        | 986               | 1,226       |
| 1985-86 | 1,219     | 107   | 130  | 62      | 12      |        |        | 1,326             | 1,530       |
| 1986-87 | 1,310     | 127   | 140  | 74      | 14      |        |        | 1,437             | 1,665       |
| 1987-88 | 1,438     | 65    | 113  | 74      | 20      |        |        | 1,503             | 1,710       |
| 1988-89 | 1,451     | 137   | 170  | 84      | 20      |        |        | 1,588             | 1,862       |
| 1989-90 | 1,317     | 87    | 204  | 69      | 34      |        |        | 1,404             | 1,711       |
| 1990-91 | 1,452     | 87    | 187  | 54      | 12      | 34     | 7      | 1,539             | 1,833       |
| 1991-92 | 1,215     | 48    | 162  | 27      | 4       | >.1    | 2      | 1,263             | 1,458       |
| 1992-93 | 1,202     | 62    | 143  | 43      | 5       | 17     | 0      | 1,264             | 1,472       |
| 1993-94 | 1,161     | 76    | 139  | 20      | 20      | >.1    | 0      | 1,237             | 1,416       |
| 1994-95 | 1,097     | 95    | 224  | 36      | 10      | 6      | >.5    | 1,192             | 1,468       |
| 1995-96 | 1,153     | 123   | 131  | 54      | 54      | 68     | 8      | 1,276             | 1,591       |
| 1996-97 | 1,033     | 104   | 133  | 69      | 19      | 67     | 14     | 1,137             | 1,439       |
| 1997-98 | 908       | 93    | 147  | 30      | 13      | 48     | 13     | 1,001             | 1,252       |
| 1998-99 | 856       | 85    | 125  | 27      | 14      | 138    | 12     | 941               | 1,257       |

Season runs from November 1 of one year to October 31 of next year.  
Burbot and inconnu were not marketed until the 1990/91 season.

Table 9. Weight composition by market weight intervals for whitefish sampled from Great Slave Lake commercial fishery, 1996/97.

| MARKET WEIGHT<br>INTERVAL<br>(DRESSED) | AREA IE |    | AREA IW |    | AREA II |    | AREA III |    | AREA IV |    | AREA V |    | TOTAL |    |
|----------------------------------------|---------|----|---------|----|---------|----|----------|----|---------|----|--------|----|-------|----|
|                                        | NO.     | %  | NO.     | %  | NO.     | %  | NO.      | %  | NO.     | %  | NO.    | %  | NO.   | %  |
| NO MARKET<br>(< 0.45 kg)               | -       | -  | -       | -  | 2       | -  | 1        | -  | 4       | -  | -      | -  | 7     | -  |
| SMALL<br>(0.45-0.69 kg)                | 23      | 7  | 15      | 4  | 31      | 15 | 39       | 9  | 39      | 9  | 15     | 7  | 162   | 8  |
| MEDIUM<br>(0.70-1.39 kg)               | 294     | 90 | 374     | 89 | 168     | 81 | 367      | 89 | 366     | 87 | 190    | 90 | 1759  | 88 |
| LARGE<br>(1.40-1.80 kg)                | 7       | 2  | 26      | 6  | 4       | 2  | 5        | 1  | 9       | 2  | 5      | 2  | 56    | 3  |
| JUMBO<br>(> 1.80 kg)                   | 1       | -  | 4       | -  | 3       | 1  | 2        | -  | 1       | -  | -      | -  | 11    | -  |
| TOTAL                                  | 325     |    | 419     |    | 208     |    | 414      |    | 419     |    | 210    |    | 1995  |    |

Table 10. Age composition of whitefish for all areas combined from Great Slave Lake commercial fishery, 1996/97.

| AGE<br>(yr) | NO.  | %    | FORK LENGTH (mm) |      | DRESSED WEIGHT (g) |       |
|-------------|------|------|------------------|------|--------------------|-------|
|             |      |      | MEAN             | SD.  | MEAN               | SD.   |
| 4           | 1    | -    | 396              | -    | 725                | -     |
| 5           | 1    | -    | 311              | -    | 350                | -     |
| 6           | 7    | 0.7  | 380              | 21.3 | 735                | 136.1 |
| 7           | 74   | 7.4  | 392              | 22.7 | 767                | 140.2 |
| 8           | 203  | 20.2 | 401              | 22.4 | 849                | 148.3 |
| 9           | 204  | 20.3 | 410              | 26.8 | 892                | 177.3 |
| 10          | 180  | 17.9 | 413              | 21.1 | 914                | 158.1 |
| 11          | 158  | 15.7 | 419              | 23.0 | 950                | 190.0 |
| 12          | 89   | 8.9  | 428              | 20.4 | 995                | 164.1 |
| 13          | 49   | 4.9  | 442              | 30.8 | 1095               | 234.6 |
| 14          | 20   | 2.0  | 450              | 34.3 | 1163               | 347.1 |
| 15          | 14   | 1.4  | 457              | 25.9 | 1288               | 263.3 |
| 16          | 4    | 0.4  | 472              | 39.0 | 1173               | 232.5 |
| 17          | 1    | -    | 452              | -    | 1045               | -     |
| TOTAL       | 1005 |      |                  |      |                    |       |
| MEAN        |      |      | 413              | 28.0 | 917                | 199.2 |
| MEAN AGE    | 9.8  |      |                  |      |                    |       |

Table 11. Age composition of commercial whitefish for each seasonal period from area IW for 1996/97.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |      |                                   |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------|-----------------------------------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |      | DRESSED<br>WEIGHT (g)<br>MEAN SD. |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) |      |                                   |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.  |                                   |       |
|             |        | (mm) | (g)  |        | (mm) | (g)  |      | (mm) | (g)  |       |             |      |                                   |       |
| 4           | 1      | 396  | 725  | -      | -    | -    | -    | -    | -    | 1     | 396         | -    | 725                               | -     |
| 6           | 2      | 393  | 813  | 1      | 382  | 760  | -    | -    | -    | 3     | 389         | 9.5  | 795                               | 37.7  |
| 7           | 29     | 401  | 828  | 3      | 396  | 813  | -    | -    | -    | 32    | 400         | 17.4 | 827                               | 114.4 |
| 8           | 18     | 405  | 846  | 22     | 405  | 934  | -    | -    | -    | 40    | 405         | 19.0 | 894                               | 133.3 |
| 9           | 17     | 419  | 946  | 25     | 415  | 982  | -    | -    | -    | 42    | 417         | 20.3 | 967                               | 155.0 |
| 10          | 17     | 420  | 963  | 19     | 425  | 1044 | -    | -    | -    | 36    | 422         | 22.6 | 1006                              | 181.8 |
| 11          | 12     | 437  | 1061 | 15     | 432  | 1111 | -    | -    | -    | 27    | 434         | 17.3 | 1089                              | 161.9 |
| 12          | 5      | 436  | 1090 | 5      | 449  | 1196 | -    | -    | -    | 10    | 442         | 21.9 | 1143                              | 203.3 |
| 13          | 4      | 448  | 1166 | 7      | 465  | 1346 | -    | -    | -    | 11    | 459         | 38.2 | 1280                              | 305.8 |
| 14          | -      | -    | -    | 3      | 507  | 1667 | -    | -    | -    | 3     | 507         | 10.8 | 1667                              | 261.0 |
| 15          | -      | -    | -    | 3      | 484  | 1500 | -    | -    | -    | 3     | 484         | 21.1 | 1500                              | 120.0 |
| 16          | -      | -    | -    | 1      | 459  | 1160 | -    | -    | -    | 1     | 459         | -    | 1160                              | -     |
| TOTAL       | 105    |      |      | 104    |      |      | -    |      |      | 209   |             |      |                                   |       |
| MEAN        |        | 415  | 923  |        | 426  | 1066 | -    | -    | -    |       | 421         | 29.0 | 994                               | 224.0 |
| MEAN AGE    | 8.9    |      |      | 10.0   |      |      | -    |      |      | 9.4   |             |      |                                   |       |

Table 12. Age composition of commercial whitefish for each seasonal period from area IE, 1996/97.

| AGE<br>(yr) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|-------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|             | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|             |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
|             |        |                      |                    |        |                      |                    |      |                      |                    |       |                     |      |                       |       |
| 7           | 1      | 352                  | 550                | -      | -                    | -                  | 5    | 388                  | 737                | 6     | 382                 | 32.8 | 706                   | 235.5 |
| 8           | 4      | 373                  | 725                | -      | -                    | -                  | 16   | 408                  | 905                | 20    | 401                 | 26.0 | 869                   | 189.3 |
| 9           | 12     | 394                  | 810                | -      | -                    | -                  | 20   | 417                  | 922                | 32    | 408                 | 25.1 | 880                   | 121.0 |
| 10          | 14     | 404                  | 839                | -      | -                    | -                  | 25   | 417                  | 938                | 39    | 413                 | 16.2 | 903                   | 93.6  |
| 11          | 16     | 418                  | 941                | -      | -                    | -                  | 14   | 434                  | 1121               | 30    | 425                 | 19.5 | 1025                  | 215.6 |
| 12          | 8      | 429                  | 1036               | -      | -                    | -                  | 11   | 441                  | 1094               | 19    | 436                 | 16.1 | 1070                  | 125.8 |
| 13          | 3      | 423                  | 950                | -      | -                    | -                  | 8    | 458                  | 1194               | 11    | 448                 | 39.2 | 1127                  | 206.0 |
| 14          | 1      | 410                  | 780                | -      | -                    | -                  | 1    | 466                  | 1250               | 2     | 438                 | 39.6 | 1015                  | 332.3 |
| 15          | 1      | 470                  | 1390               | -      | -                    | -                  | -    | -                    | -                  | 1     | 470                 | -    | 1390                  | -     |
| 16          | -      | -                    | -                  | -      | -                    | -                  | 1    | 529                  | 1505               | 1     | 529                 | -    | 1505                  | -     |
| TOTAL       | 60     |                      |                    | -      |                      |                    | 101  |                      |                    | 161   |                     |      |                       |       |
| MEAN        |        | 408                  | 888                |        | -                    | -                  |      | 424                  | 991                |       | 418                 | 28.7 | 953                   | 192.7 |
| MEAN AGE    | 10.5   |                      |                    | -      |                      |                    | 10.0 |                      |                    | 10.2  |                     |      |                       |       |

Table 13. Age composition of commercial whitefish for each seasonal period from area II, 1996/97.

| AGE<br>(yr) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |       |
|-------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|-------|
|             | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |       |
|             |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |       |
|             |        |                      |                    |        |                      |                    |      |                      |                    |       |                     |      |                       |       |       |
| 5           | -      | -                    | -                  | -      | -                    | -                  | 1    | 311                  | 350                | 1     | 311                 | -    | 350                   | -     |       |
| 6           | -      | -                    | -                  | -      | -                    | -                  | 3    | 376                  | 707                | 3     | 376                 | 30.8 | 707                   | 207.4 |       |
| 7           | -      | -                    | -                  | -      | -                    | -                  | 12   | 382                  | 715                | 12    | 382                 | 23.4 | 715                   | 123.8 |       |
| 8           | -      | -                    | -                  | -      | -                    | -                  | 33   | 407                  | 863                | 33    | 407                 | 25.0 | 863                   | 167.3 |       |
| 9           | -      | -                    | -                  | -      | -                    | -                  | 29   | 420                  | 939                | 29    | 420                 | 32.4 | 939                   | 257.9 |       |
| 10          | -      | -                    | -                  | -      | -                    | -                  | 11   | 416                  | 958                | 11    | 416                 | 12.0 | 958                   | 61.9  |       |
| 11          | -      | -                    | -                  | -      | -                    | -                  | 11   | 427                  | 985                | 11    | 427                 | 29.2 | 985                   | 178.6 |       |
| 12          | -      | -                    | -                  | -      | -                    | -                  | 3    | 445                  | 1032               | 3     | 445                 | 15.6 | 1032                  | 54.8  |       |
| 14          | -      | -                    | -                  | -      | -                    | -                  | 1    | 494                  | 1625               | 1     | 494                 | -    | 1625                  | -     |       |
| TOTAL       | -      |                      |                    | -      |                      |                    | 104  |                      |                    | 104   |                     |      |                       |       |       |
| MEAN        |        | -                    | -                  |        | -                    | -                  |      | 411                  | 893                |       | 411                 | 32.4 |                       | 893   | 219.9 |
| MEAN AGE    | -      |                      |                    | -      |                      |                    | 8.8  |                      |                    | 8.8   |                     |      |                       |       |       |

Table 14. Age composition of commercial whitefish for each seasonal period from area III, 1996/97.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |            |         |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------------|---------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |            | DRESSED |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) | WEIGHT (g) |         |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.        |         | MEAN  |
|             |        | (mm) | (g)  |        | (mm) | (g)  |      | (mm) | (g)  |       |             |            |         |       |
| 7           | -      | -    | -    | -      | -    | -    | 14   | 396  | 766  | 14    | 396         | 15.6       | 766     | 105.5 |
| 8           | 24     | 382  | 751  | -      | -    | -    | 30   | 404  | 821  | 54    | 394         | 17.7       | 790     | 104.1 |
| 9           | 24     | 399  | 857  | -      | -    | -    | 30   | 413  | 874  | 54    | 407         | 24.4       | 866     | 138.3 |
| 10          | 30     | 406  | 900  | -      | -    | -    | 8    | 415  | 900  | 38    | 408         | 16.4       | 900     | 133.1 |
| 11          | 17     | 408  | 891  | -      | -    | -    | 11   | 423  | 953  | 28    | 414         | 18.7       | 915     | 131.0 |
| 12          | 9      | 421  | 997  | -      | -    | -    | 6    | 443  | 1053 | 15    | 430         | 19.8       | 1020    | 162.8 |
| 13          | 5      | 436  | 1109 | -      | -    | -    | 3    | 434  | 985  | 8     | 435         | 18.4       | 1063    | 166.6 |
| 14          | 2      | 451  | 1275 | -      | -    | -    | -    | -    | -    | 2     | 451         | 1.4        | 1275    | 148.5 |
| TOTAL       | 111    |      |      | -      |      |      | 102  |      |      | 213   |             |            |         |       |
| MEAN        |        | 403  | 881  |        | -    | -    |      | 411  | 868  |       | 407         | 22.6       | 875     | 153.3 |
| MEAN AGE    | 9.9    |      |      | -      |      |      | 9.0  |      |      | 9.5   |             |            |         |       |

Table 15. Age composition of commercial whitefish for each seasonal period from area IV, 1996/97.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |      |                       |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------|-----------------------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |      | DRESSED<br>WEIGHT (g) |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) |      |                       |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.  |                       |       |
| (mm)        | (g)    | (mm) | (g)  | (mm)   | (g)  | (mm) | (g)  | (mm) | (g)  | MEAN  | SD.         | MEAN | SD.                   |       |
| 7           | 1      | 312  | 330  | -      | -    | -    | 9    | 385  | 718  | 10    | 378         | 28.1 | 679                   | 146.0 |
| 8           | 17     | 398  | 782  | -      | -    | -    | 34   | 408  | 923  | 51    | 405         | 24.7 | 876                   | 152.1 |
| 9           | 16     | 391  | 766  | -      | -    | -    | 22   | 411  | 919  | 38    | 403         | 30.2 | 854                   | 192.1 |
| 10          | 27     | 410  | 860  | -      | -    | -    | 18   | 411  | 907  | 45    | 410         | 26.6 | 879                   | 194.8 |
| 11          | 22     | 410  | 873  | -      | -    | -    | 15   | 416  | 952  | 37    | 413         | 26.4 | 905                   | 182.3 |
| 12          | 14     | 416  | 888  | -      | -    | -    | 4    | 421  | 893  | 18    | 417         | 20.1 | 889                   | 117.8 |
| 13          | 4      | 438  | 1058 | -      | -    | -    | 1    | 435  | 1105 | 5     | 437         | 11.5 | 1067                  | 170.0 |
| 14          | 3      | 425  | 998  | -      | -    | -    | 1    | 471  | 1500 | 4     | 436         | 26.3 | 1124                  | 269.9 |
| 15          | 3      | 459  | 1353 | -      | -    | -    | 2    | 447  | 1203 | 5     | 454         | 26.6 | 1293                  | 372.3 |
| TOTAL       | 107    |      |      | -      |      |      | 106  |      |      | 213   |             |      |                       |       |
| MEAN        |        | 408  | 860  |        | -    | -    |      | 410  | 917  |       | 409         | 28.4 | 889                   | 199.2 |
| MEAN AGE    | 10.3   |      |      | -      |      |      | 9.3  |      |      | 9.8   |             |      |                       |       |

Table 16. Age composition of commercial whitefish for each seasonal period from area V, 1996/97.

| AGE<br>(yr) | WINTER |              |            | SUMMER |              |            | FALL |              |            | TOTAL |             |      |            |
|-------------|--------|--------------|------------|--------|--------------|------------|------|--------------|------------|-------|-------------|------|------------|
|             | NO.    | MEAN         | MEAN       | NO.    | MEAN         | MEAN       | NO.  | MEAN         | MEAN       | NO.   | FORK        |      | DRESSED    |
|             |        | FORK         | DR.        |        | FORK         | DR.        |      | FORK         | DR.        |       | LENGTH (mm) |      | WEIGHT (g) |
|             |        | LEN.<br>(mm) | WT.<br>(g) |        | LEN.<br>(mm) | WT.<br>(g) |      | LEN.<br>(mm) | WT.<br>(g) |       | MEAN        | SD.  |            |
| 6           | 1      | 362          | 640        | -      | -            | -          | -    | -            | -          | 1     | 362         | -    | 640        |
| 8           | 5      | 384          | 701        | -      | -            | -          | -    | -            | -          | 5     | 384         | 14.0 | 701        |
| 9           | 9      | 394          | 758        | -      | -            | -          | -    | -            | -          | 9     | 394         | 26.4 | 758        |
| 10          | 11     | 402          | 805        | -      | -            | -          | -    | -            | -          | 11    | 402         | 18.3 | 805        |
| 11          | 25     | 404          | 802        | -      | -            | -          | -    | -            | -          | 25    | 404         | 15.4 | 802        |
| 12          | 24     | 423          | 932        | -      | -            | -          | -    | -            | -          | 24    | 423         | 18.3 | 932        |
| 13          | 14     | 428          | 952        | -      | -            | -          | -    | -            | -          | 14    | 428         | 20.8 | 952        |
| 14          | 8      | 432          | 946        | -      | -            | -          | -    | -            | -          | 8     | 432         | 20.8 | 946        |
| 15          | 5      | 442          | 1135       | -      | -            | -          | -    | -            | -          | 5     | 442         | 19.1 | 1135       |
| 16          | 2      | 449          | 1013       | -      | -            | -          | -    | -            | -          | 2     | 449         | 9.9  | 1013       |
| 17          | 1      | 452          | 1045       | -      | -            | -          | -    | -            | -          | 1     | 452         | -    | 1045       |
| TOTAL       | 105    |              |            | -      |              |            | -    |              |            | 105   |             |      |            |
| MEAN        |        | 414          | 875        | -      | -            | -          | -    | -            | -          |       | 414         | 24.6 | 875        |
| MEAN AGE    | 11.6   |              |            | -      |              |            | -    |              |            | 11.6  |             |      | 165.7      |

Table 17. Length composition of whitefish for all areas combined from Great Slave Lake commercial fishery, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | NO.  | %    | FORK LENGTH (mm) |      | DRESSED WEIGHT (g) |       |
|----------------------------|------|------|------------------|------|--------------------|-------|
|                            |      |      | MEAN             | SD.  | MEAN               | SD.   |
| 310-319                    | 2    | 0.1  | 312              | 0.7  | 340                | 14.1  |
| 320-329                    | 6    | 0.3  | 324              | 2.2  | 488                | 53.3  |
| 330-339                    | 4    | 0.2  | 337              | 1.8  | 576                | 92.3  |
| 340-349                    | 14   | 0.7  | 344              | 3.2  | 503                | 59.8  |
| 350-359                    | 12   | 0.6  | 354              | 2.6  | 552                | 39.2  |
| 360-369                    | 52   | 2.6  | 364              | 2.6  | 639                | 65.8  |
| 370-379                    | 84   | 4.2  | 374              | 2.9  | 681                | 59.7  |
| 380-389                    | 157  | 7.9  | 384              | 3.0  | 732                | 66.7  |
| 390-399                    | 226  | 11.3 | 394              | 3.0  | 789                | 63.0  |
| 400-409                    | 365  | 18.3 | 403              | 2.8  | 851                | 70.0  |
| 410-419                    | 261  | 13.1 | 414              | 2.8  | 910                | 81.1  |
| 420-429                    | 267  | 13.4 | 424              | 2.7  | 974                | 83.6  |
| 430-439                    | 219  | 11.0 | 433              | 2.7  | 1033               | 105.6 |
| 440-449                    | 138  | 6.9  | 443              | 2.6  | 1092               | 108.3 |
| 450-459                    | 67   | 3.4  | 454              | 2.8  | 1199               | 107.1 |
| 460-469                    | 47   | 2.4  | 463              | 2.2  | 1245               | 135.8 |
| 470-479                    | 35   | 1.8  | 472              | 2.4  | 1362               | 122.2 |
| 480-489                    | 14   | 0.7  | 483              | 2.7  | 1478               | 150.4 |
| 490-499                    | 4    | 0.2  | 495              | 1.0  | 1503               | 322.8 |
| 500-509                    | 7    | 0.4  | 505              | 2.3  | 1704               | 221.2 |
| 510-519                    | 6    | 0.3  | 513              | 2.7  | 1678               | 202.2 |
| 520-529                    | 5    | 0.3  | 524              | 3.1  | 1908               | 240.7 |
| 550-559                    | 2    | 0.1  | 550              | 0.0  | 1710               | 268.7 |
| 570-579                    | 1    | -    | 576              | -    | 2180               | -     |
| <hr/>                      |      |      |                  |      |                    |       |
| TOTAL                      | 1995 |      |                  |      |                    |       |
| MEAN                       |      |      | 414              | 28.8 | 922                | 209.4 |

Table 18. Length composition of commercial whitefish for each seasonal period from area IW, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |             | SUMMER |              |             | FALL |              |             | TOTAL |             |            |         |       |
|----------------------------|--------|--------------|-------------|--------|--------------|-------------|------|--------------|-------------|-------|-------------|------------|---------|-------|
|                            | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.  | MEAN<br>FORK | MEAN<br>DR. | NO.   | FORK        |            | DRESSED |       |
|                            |        | LEN.         | WT.         |        | LEN.         | WT.         |      | LEN.         | WT.         |       | LENGTH (mm) | WEIGHT (g) |         |       |
|                            |        | (mm)         | (g)         |        | (mm)         | (g)         |      | (mm)         | (g)         |       | MEAN        | SD.        | MEAN    | SD.   |
| 320-329                    | -      | -            | -           | 1      | 326          | 500         | -    | -            | -           | 1     | 326         | -          | 500     | -     |
| 360-369                    | 6      | 364          | 623         | 2      | 363          | 610         | -    | -            | -           | 8     | 364         | 2.4        | 619     | 59.5  |
| 370-379                    | 5      | 375          | 696         | 6      | 372          | 730         | -    | -            | -           | 11    | 373         | 3.0        | 715     | 60.3  |
| 380-389                    | 16     | 384          | 723         | 8      | 384          | 748         | -    | -            | -           | 24    | 384         | 2.5        | 731     | 44.6  |
| 390-399                    | 23     | 394          | 784         | 13     | 395          | 826         | -    | -            | -           | 36    | 394         | 2.7        | 799     | 60.1  |
| 400-409                    | 39     | 403          | 857         | 34     | 402          | 916         | -    | -            | -           | 73    | 403         | 2.8        | 884     | 60.5  |
| 410-419                    | 30     | 414          | 911         | 26     | 413          | 974         | -    | -            | -           | 56    | 413         | 2.7        | 940     | 69.8  |
| 420-429                    | 24     | 424          | 973         | 35     | 424          | 1039        | -    | -            | -           | 59    | 424         | 2.9        | 1012    | 75.3  |
| 430-439                    | 27     | 433          | 1025        | 24     | 434          | 1099        | -    | -            | -           | 51    | 434         | 2.8        | 1060    | 92.0  |
| 440-449                    | 17     | 442          | 1079        | 23     | 444          | 1189        | -    | -            | -           | 40    | 443         | 2.6        | 1142    | 106.2 |
| 450-459                    | 5      | 456          | 1229        | 14     | 453          | 1266        | -    | -            | -           | 19    | 454         | 3.5        | 1256    | 79.4  |
| 460-469                    | 9      | 463          | 1287        | 4      | 463          | 1335        | -    | -            | -           | 13    | 463         | 2.6        | 1302    | 118.8 |
| 470-479                    | 3      | 472          | 1360        | 6      | 473          | 1423        | -    | -            | -           | 9     | 473         | 2.4        | 1402    | 139.5 |
| 480-489                    | 3      | 481          | 1423        | 3      | 485          | 1613        | -    | -            | -           | 6     | 483         | 3.3        | 1518    | 139.2 |
| 490-499                    | -      | -            | -           | 1      | 495          | 1460        | -    | -            | -           | 1     | 495         | -          | 1460    | -     |
| 500-509                    | 2      | 505          | 1645        | 3      | 504          | 1693        | -    | -            | -           | 5     | 504         | 2.3        | 1674    | 119.5 |
| 510-519                    | -      | -            | -           | 4      | 513          | 1630        | -    | -            | -           | 4     | 513         | 3.0        | 1630    | 235.8 |
| 520-529                    | 1      | 521          | 1900        | -      | -            | -           | -    | -            | -           | 1     | 521         | -          | 1900    | -     |
| 550-559                    | -      | -            | -           | 1      | 550          | 1900        | -    | -            | -           | 1     | 550         | -          | 1900    | -     |
| 570-579                    | -      | -            | -           | 1      | 576          | 2180        | -    | -            | -           | 1     | 576         | -          | 2180    | -     |
| TOTAL<br>MEAN              | 210    | 417          | 944         | 209    | 426          | 1067        | -    | -            | -           | 419   | 422         | 30.7       | 1005    | 234.3 |

Table 19. Length composition of commercial whitefish for each seasonal period from area IE, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |             |            |         |       |
|----------------------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|-------------|------------|---------|-------|
|                            | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK        |            | DRESSED |       |
|                            |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | LENGTH (mm) | WEIGHT (g) |         |       |
|                            |        |                      |                    |        |                      |                    |      |                      |                    |       |             |            | MEAN    | SD.   |
| 340-349                    | 1      | 341                  | 610                | -      | -                    | -                  | -    | -                    | -                  | 1     | 341         | -          | 610     | -     |
| 350-359                    | 1      | 352                  | 550                | -      | -                    | -                  | 3    | 353                  | 535                | 4     | 353         | 2.4        | 539     | 47.0  |
| 360-369                    | 3      | 364                  | 625                | -      | -                    | -                  | 4    | 364                  | 579                | 7     | 364         | 3.5        | 599     | 69.0  |
| 370-379                    | 6      | 373                  | 679                | -      | -                    | -                  | 3    | 374                  | 638                | 9     | 373         | 3.2        | 666     | 70.5  |
| 380-389                    | 10     | 383                  | 708                | -      | -                    | -                  | 8    | 385                  | 775                | 18    | 384         | 2.8        | 738     | 113.7 |
| 390-399                    | 20     | 394                  | 807                | -      | -                    | -                  | 11   | 394                  | 788                | 31    | 394         | 3.0        | 800     | 38.3  |
| 400-409                    | 29     | 404                  | 852                | -      | -                    | -                  | 38   | 404                  | 865                | 67    | 404         | 2.9        | 859     | 68.9  |
| 410-419                    | 13     | 411                  | 909                | -      | -                    | -                  | 31   | 414                  | 917                | 44    | 413         | 2.7        | 915     | 69.0  |
| 420-429                    | 18     | 423                  | 971                | -      | -                    | -                  | 29   | 423                  | 996                | 47    | 423         | 2.6        | 986     | 66.7  |
| 430-439                    | 9      | 434                  | 1093               | -      | -                    | -                  | 35   | 433                  | 1089               | 44    | 433         | 2.8        | 1090    | 146.2 |
| 440-449                    | 4      | 443                  | 1131               | -      | -                    | -                  | 15   | 443                  | 1103               | 19    | 443         | 2.2        | 1109    | 83.5  |
| 450-459                    | 3      | 452                  | 1227               | -      | -                    | -                  | 14   | 454                  | 1195               | 17    | 454         | 2.5        | 1201    | 83.4  |
| 460-469                    | -      | -                    | -                  | -      | -                    | -                  | 9    | 463                  | 1265               | 9     | 463         | 2.7        | 1265    | 87.2  |
| 470-479                    | 3      | 472                  | 1277               | -      | -                    | -                  | 1    | 470                  | 1365               | 4     | 472         | 3.0        | 1299    | 122.6 |
| 480-489                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 481                  | 1335               | 1     | 481         | -          | 1335    | -     |
| 490-499                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 496                  | 1080               | 1     | 496         | -          | 1080    | -     |
| 520-529                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 529                  | 1505               | 1     | 529         | -          | 1505    | -     |
| 550-559                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 550                  | 1520               | 1     | 550         | -          | 1520    | -     |
| TOTAL<br>MEAN              | 120    | 407                  | 885                | -      | -                    | -                  | 205  | 421                  | 978                | 325   | 416         | 26.6       | 944     | 188.1 |

Table 20. Length composition of commercial whitefish for each seasonal period from area II, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|----------------------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|                            | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|                            |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
| 310-319                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 311                  | 350                | 1     | 311                 | -    | 350                   | -     |
| 320-329                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 324                  | 515                | 1     | 324                 | -    | 515                   | -     |
| 330-339                    | -      | -                    | -                  | -      | -                    | -                  | 2    | 339                  | 553                | 2     | 339                 | 0.7  | 553                   | 102.5 |
| 340-349                    | -      | -                    | -                  | -      | -                    | -                  | 6    | 345                  | 479                | 6     | 345                 | 2.7  | 479                   | 43.3  |
| 350-359                    | -      | -                    | -                  | -      | -                    | -                  | 3    | 355                  | 553                | 3     | 355                 | 1.5  | 553                   | 57.5  |
| 360-369                    | -      | -                    | -                  | -      | -                    | -                  | 8    | 364                  | 648                | 8     | 364                 | 2.2  | 648                   | 36.7  |
| 370-379                    | -      | -                    | -                  | -      | -                    | -                  | 5    | 374                  | 668                | 5     | 374                 | 2.0  | 668                   | 59.6  |
| 380-389                    | -      | -                    | -                  | -      | -                    | -                  | 16   | 386                  | 698                | 16    | 386                 | 2.6  | 698                   | 70.1  |
| 390-399                    | -      | -                    | -                  | -      | -                    | -                  | 32   | 395                  | 803                | 32    | 395                 | 3.0  | 803                   | 82.5  |
| 400-409                    | -      | -                    | -                  | -      | -                    | -                  | 34   | 404                  | 833                | 34    | 404                 | 2.6  | 833                   | 59.1  |
| 410-419                    | -      | -                    | -                  | -      | -                    | -                  | 22   | 415                  | 896                | 22    | 415                 | 2.8  | 896                   | 89.5  |
| 420-429                    | -      | -                    | -                  | -      | -                    | -                  | 15   | 425                  | 937                | 15    | 425                 | 2.4  | 937                   | 55.6  |
| 430-439                    | -      | -                    | -                  | -      | -                    | -                  | 25   | 434                  | 982                | 25    | 434                 | 2.4  | 982                   | 55.1  |
| 440-449                    | -      | -                    | -                  | -      | -                    | -                  | 12   | 445                  | 1058               | 12    | 445                 | 2.9  | 1058                  | 84.2  |
| 450-459                    | -      | -                    | -                  | -      | -                    | -                  | 9    | 454                  | 1146               | 9     | 454                 | 2.3  | 1146                  | 73.1  |
| 460-469                    | -      | -                    | -                  | -      | -                    | -                  | 6    | 463                  | 1138               | 6     | 463                 | 1.8  | 1138                  | 98.3  |
| 470-479                    | -      | -                    | -                  | -      | -                    | -                  | 5    | 472                  | 1285               | 5     | 472                 | 2.5  | 1285                  | 74.7  |
| 480-489                    | -      | -                    | -                  | -      | -                    | -                  | 2    | 484                  | 1488               | 2     | 484                 | 4.2  | 1488                  | 24.7  |
| 490-499                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 494                  | 1625               | 1     | 494                 | -    | 1625                  | -     |
| 510-519                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 513                  | 1845               | 1     | 513                 | -    | 1845                  | -     |
| 520-529                    | -      | -                    | -                  | -      | -                    | -                  | 2    | 524                  | 2088               | 2     | 524                 | 0.0  | 2088                  | 46.0  |
| TOTAL<br>MEAN              | -      | -                    | -                  | -      | -                    | -                  | 208  | 412                  | 891                | 208   | 412                 | 34.4 | 891                   | 240.4 |

Table 21. Length composition of commercial whitefish for each seasonal period from area III, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |             | SUMMER |              |             | FALL |              |             | TOTAL |             |            |         |       |
|----------------------------|--------|--------------|-------------|--------|--------------|-------------|------|--------------|-------------|-------|-------------|------------|---------|-------|
|                            | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.  | MEAN<br>FORK | MEAN<br>DR. | NO.   | FORK        |            | DRESSED |       |
|                            |        | LEN.         | WT.         |        | LEN.         | WT.         |      | LEN.         | WT.         |       | LENGTH (mm) | WEIGHT (g) |         |       |
|                            |        | (mm)         | (g)         |        | (mm)         | (g)         |      | (mm)         | (g)         |       | MEAN        | SD.        | MEAN    | SD.   |
| 330-339                    | -      | -            | -           | -      | -            | -           | 2    | 336          | 600         | 2     | 336         | 0.7        | 600     | 113.1 |
| 340-349                    | -      | -            | -           | -      | -            | -           | 1    | 348          | 440         | 1     | 348         | -          | 440     | -     |
| 350-359                    | 1      | 358          | 600         | -      | -            | -           | 1    | 350          | 540         | 2     | 354         | 5.7        | 570     | 42.4  |
| 360-369                    | 8      | 364          | 666         | -      | -            | -           | 2    | 367          | 580         | 10    | 365         | 2.7        | 649     | 50.5  |
| 370-379                    | 16     | 374          | 711         | -      | -            | -           | 15   | 375          | 659         | 31    | 374         | 2.9        | 685     | 66.6  |
| 380-389                    | 27     | 384          | 758         | -      | -            | -           | 22   | 385          | 709         | 49    | 385         | 3.2        | 736     | 50.2  |
| 390-399                    | 30     | 393          | 820         | -      | -            | -           | 28   | 395          | 766         | 58    | 394         | 3.1        | 794     | 62.7  |
| 400-409                    | 33     | 403          | 876         | -      | -            | -           | 35   | 404          | 832         | 68    | 404         | 2.8        | 853     | 73.9  |
| 410-419                    | 39     | 414          | 933         | -      | -            | -           | 29   | 415          | 881         | 68    | 414         | 3.0        | 911     | 80.7  |
| 420-429                    | 31     | 423          | 981         | -      | -            | -           | 19   | 425          | 964         | 50    | 424         | 2.7        | 975     | 82.2  |
| 430-439                    | 11     | 432          | 1022        | -      | -            | -           | 19   | 434          | 989         | 30    | 434         | 2.6        | 1001    | 76.8  |
| 440-449                    | 7      | 442          | 1181        | -      | -            | -           | 15   | 443          | 1034        | 22    | 443         | 2.7        | 1081    | 122.4 |
| 450-459                    | 4      | 452          | 1223        | -      | -            | -           | 6    | 454          | 1163        | 10    | 453         | 2.9        | 1187    | 118.8 |
| 460-469                    | -      | -            | -           | -      | -            | -           | 3    | 463          | 1090        | 3     | 463         | 2.1        | 1090    | 52.2  |
| 470-479                    | -      | -            | -           | -      | -            | -           | 5    | 473          | 1337        | 5     | 473         | 2.3        | 1337    | 82.1  |
| 480-489                    | -      | -            | -           | -      | -            | -           | 1    | 483          | 1425        | 1     | 483         | -          | 1425    | -     |
| 490-499                    | 1      | 496          | 1845        | -      | -            | -           | -    | -            | -           | 1     | 496         | -          | 1845    | -     |
| 500-509                    | 1      | 506          | 1445        | -      | -            | -           | -    | -            | -           | 1     | 506         | -          | 1445    | -     |
| 510-519                    | -      | -            | -           | -      | -            | -           | 1    | 516          | 1700        | 1     | 516         | -          | 1700    | -     |
| 520-529                    | 1      | 522          | 1960        | -      | -            | -           | -    | -            | -           | 1     | 522         | -          | 1960    | -     |
| TOTAL                      | 210    |              |             | -      |              |             | 204  |              |             | 414   |             |            |         |       |
| MEAN                       |        | 405          | 894         |        | -            | -           |      | 411          | 871         |       | 408         | 25.8       | 883     | 180.0 |

Table 22. Length composition of commercial whitefish for each seasonal period from area IV, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |      |            |       |
|----------------------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------|------------|-------|
|                            | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |      | DRESSED    |       |
|                            |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) |      | WEIGHT (g) |       |
|                            |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.  | MEAN       | SD.   |
| (mm)                       |        | (mm) | (g)  |        | (mm) | (g)  |      | (mm) | (g)  |       |             |      |            |       |
| 310-319                    | 1      | 312  | 330  | -      | -    | -    | -    | -    | -    | 1     | 312         | -    | 330        | -     |
| 320-329                    | 1      | 324  | 445  | -      | -    | -    | 3    | 323  | 488  | 4     | 323         | 2.5  | 478        | 65.5  |
| 340-349                    | 5      | 341  | 516  | -      | -    | -    | 1    | 346  | 530  | 6     | 342         | 2.8  | 518        | 58.0  |
| 350-359                    | 1      | 351  | 570  | -      | -    | -    | 1    | 354  | 560  | 2     | 353         | 2.1  | 565        | 7.1   |
| 360-369                    | 6      | 364  | 679  | -      | -    | -    | 7    | 364  | 645  | 13    | 364         | 2.6  | 661        | 82.5  |
| 370-379                    | 13     | 374  | 683  | -      | -    | -    | 11   | 374  | 668  | 24    | 374         | 3.0  | 676        | 38.8  |
| 380-389                    | 14     | 383  | 761  | -      | -    | -    | 20   | 383  | 750  | 34    | 383         | 3.0  | 754        | 67.9  |
| 390-399                    | 27     | 394  | 769  | -      | -    | -    | 23   | 393  | 776  | 50    | 393         | 2.9  | 772        | 63.0  |
| 400-409                    | 38     | 403  | 813  | -      | -    | -    | 47   | 404  | 862  | 85    | 403         | 2.7  | 840        | 70.2  |
| 410-419                    | 23     | 413  | 892  | -      | -    | -    | 21   | 413  | 900  | 44    | 413         | 2.6  | 896        | 77.6  |
| 420-429                    | 26     | 423  | 943  | -      | -    | -    | 31   | 424  | 989  | 57    | 424         | 2.8  | 968        | 97.9  |
| 430-439                    | 27     | 433  | 1000 | -      | -    | -    | 19   | 433  | 1065 | 46    | 433         | 2.5  | 1027       | 90.4  |
| 440-449                    | 14     | 442  | 990  | -      | -    | -    | 11   | 442  | 1151 | 25    | 442         | 2.5  | 1061       | 119.4 |
| 450-459                    | 3      | 455  | 1155 | -      | -    | -    | 4    | 453  | 1238 | 7     | 454         | 2.5  | 1202       | 160.0 |
| 460-469                    | 5      | 463  | 1164 | -      | -    | -    | 4    | 463  | 1284 | 9     | 463         | 1.8  | 1217       | 133.8 |
| 470-479                    | 4      | 474  | 1288 | -      | -    | -    | 4    | 473  | 1511 | 8     | 473         | 2.6  | 1399       | 127.8 |
| 480-489                    | 2      | 485  | 1550 | -      | -    | -    | 1    | 486  | 1390 | 3     | 485         | 1.0  | 1497       | 271.2 |
| 500-509                    | -      | -    | -    | -      | -    | -    | 1    | 507  | 2110 | 1     | 507         | -    | 2110       | -     |
| TOTAL<br>MEAN              | 210    | 410  | 870  | -      | -    | -    | 209  | 409  | 908  | 419   | 409         | 28.3 | 889        | 199.1 |

Table 23. Length composition of commercial whitefish for each seasonal period from area V, 1996/97.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |             | SUMMER |              |             | FALL |              |             | TOTAL |             |            |         |       |
|----------------------------|--------|--------------|-------------|--------|--------------|-------------|------|--------------|-------------|-------|-------------|------------|---------|-------|
|                            | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.  | MEAN<br>FORK | MEAN<br>DR. | NO.   | FORK        |            | DRESSED |       |
|                            |        | LEN.         | WT.         |        | LEN.         | WT.         |      | LEN.         | WT.         |       | LENGTH (mm) | WEIGHT (g) |         |       |
|                            |        | (mm)         | (g)         |        | (mm)         | (g)         |      | (mm)         | (g)         |       | MEAN        | SD.        | MEAN    | SD.   |
| 350-359                    | 1      | 356          | 540         | -      | -            | -           | -    | -            | -           | 1     | 356         | -          | 540     | -     |
| 360-369                    | 6      | 363          | 635         | -      | -            | -           | -    | -            | -           | 6     | 363         | 2.7        | 635     | 78.4  |
| 370-379                    | 4      | 374          | 640         | -      | -            | -           | -    | -            | -           | 4     | 374         | 3.7        | 640     | 71.3  |
| 380-389                    | 16     | 383          | 703         | -      | -            | -           | -    | -            | -           | 16    | 383         | 2.7        | 703     | 46.0  |
| 390-399                    | 19     | 392          | 752         | -      | -            | -           | -    | -            | -           | 19    | 392         | 2.4        | 752     | 45.1  |
| 400-409                    | 38     | 403          | 806         | -      | -            | -           | -    | -            | -           | 38    | 403         | 2.8        | 806     | 59.0  |
| 410-419                    | 27     | 414          | 872         | -      | -            | -           | -    | -            | -           | 27    | 414         | 2.7        | 872     | 101.8 |
| 420-429                    | 39     | 424          | 925         | -      | -            | -           | -    | -            | -           | 39    | 424         | 2.5        | 925     | 73.7  |
| 430-439                    | 23     | 433          | 969         | -      | -            | -           | -    | -            | -           | 23    | 433         | 2.9        | 969     | 69.1  |
| 440-449                    | 20     | 443          | 1046        | -      | -            | -           | -    | -            | -           | 20    | 443         | 2.6        | 1046    | 78.3  |
| 450-459                    | 5      | 455          | 1088        | -      | -            | -           | -    | -            | -           | 5     | 455         | 2.2        | 1088    | 121.0 |
| 460-469                    | 7      | 462          | 1309        | -      | -            | -           | -    | -            | -           | 7     | 462         | 2.1        | 1309    | 182.2 |
| 470-479                    | 4      | 472          | 1390        | -      | -            | -           | -    | -            | -           | 4     | 472         | 2.7        | 1390    | 148.5 |
| 480-489                    | 1      | 481          | 1355        | -      | -            | -           | -    | -            | -           | 1     | 481         | -          | 1355    | -     |
| TOTAL<br>MEAN              | 210    | 416          | 893         | -      | -            | -           | -    | -            | -           | 210   | 416         | 24.6       | 893     | 176.9 |

Table 24. Weight composition by market weight intervals for whitefish sampled from Great Slave Lake commercial fishery, 1997/98.

| MARKET WEIGHT<br>INTERVAL<br>(DRESSED) | AREA IE |   | AREA IW |    | AREA II |    | AREA III |    | AREA IV |    | AREA V |    | TOTAL |    |
|----------------------------------------|---------|---|---------|----|---------|----|----------|----|---------|----|--------|----|-------|----|
|                                        | NO.     | % | NO.     | %  | NO.     | %  | NO.      | %  | NO.     | %  | NO.    | %  | NO.   | %  |
| NO MARKET<br>( $< 0.45$ kg)            | -       | - | -       | -  | 5       | 2  | -        | -  | -       | -  | -      | -  | 5     | -  |
| SMALL<br>( $0.45-0.69$ kg)             | -       | - | 10      | 5  | 52      | 25 | 11       | 5  | 29      | 14 | 12     | 6  | 114   | 11 |
| MEDIUM<br>( $0.70-1.39$ kg)            | -       | - | 195     | 94 | 147     | 72 | 195      | 93 | 178     | 85 | 186    | 91 | 901   | 87 |
| LARGE<br>( $1.40-1.80$ kg)             | -       | - | 3       | 1  | -       | -  | 2        | -  | 3       | 1  | 6      | 3  | 14    | 1  |
| JUMBO<br>( $> 1.80$ kg)                | -       | - | -       | -  | -       | -  | 2        | -  | -       | -  | -      | -  | 2     | -  |
| TOTAL                                  | -       |   | 208     |    | 204     |    | 210      |    | 210     |    | 204    |    | 1036  |    |

Table 25. Age composition of whitefish for all areas combined from  
Great Slave Lake commercial fishery, 1997/98.

| AGE<br>(yr) | NO.  | %    | FORK LENGTH(mm) |      | DRESSED WEIGHT(g) |       |
|-------------|------|------|-----------------|------|-------------------|-------|
|             |      |      | MEAN            | SD.  | MEAN              | SD.   |
| 4           | 1    | 0.2  | 361             | -    | 640               | -     |
| 5           | 1    | 0.2  | 321             | -    | 410               | -     |
| 6           | 7    | 1.3  | 375             | 23.4 | 668               | 120.4 |
| 7           | 31   | 5.9  | 380             | 18.7 | 685               | 100.2 |
| 8           | 91   | 17.3 | 399             | 23.6 | 796               | 156.5 |
| 9           | 109  | 20.7 | 402             | 19.0 | 832               | 134.8 |
| 10          | 75   | 14.2 | 408             | 21.1 | 863               | 142.3 |
| 11          | 76   | 14.4 | 410             | 23.4 | 895               | 146.6 |
| 12          | 50   | 9.5  | 416             | 20.3 | 934               | 156.8 |
| 13          | 42   | 8.0  | 422             | 24.7 | 961               | 178.4 |
| 14          | 22   | 4.2  | 437             | 24.4 | 1110              | 233.6 |
| 15          | 14   | 2.7  | 437             | 21.0 | 1148              | 195.4 |
| 16          | 7    | 1.3  | 450             | 18.0 | 1242              | 189.3 |
| 17          | 1    | 0.2  | 435             | -    | 1040              | -     |
| TOTAL       | 527  |      |                 |      |                   |       |
| MEAN        |      |      | 408             | 25.8 | 873               | 186.2 |
| MEAN AGE    | 10.2 |      |                 |      |                   |       |

Table 26. Age composition of commercial whitefish for each seasonal period from area IW, 1997/98.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |            |         |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------------|---------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |            | DRESSED |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) | WEIGHT (g) |         |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.        |         | MEAN  |
|             |        | (mm) | (g)  |        | (mm) | (g)  |      | (mm) | (g)  |       |             |            |         |       |
| 4           | 1      | 361  | 640  | -      | -    | -    | -    | -    | -    | 1     | 361         | -          | 640     | -     |
| 7           | 5      | 390  | 759  | -      | -    | -    | -    | -    | -    | 5     | 390         | 15.2       | 759     | 87.6  |
| 8           | 27     | 414  | 915  | -      | -    | -    | -    | -    | -    | 27    | 414         | 19.1       | 915     | 141.2 |
| 9           | 27     | 404  | 848  | -      | -    | -    | -    | -    | -    | 27    | 404         | 17.8       | 848     | 121.7 |
| 10          | 21     | 417  | 937  | -      | -    | -    | -    | -    | -    | 21    | 417         | 21.8       | 937     | 140.0 |
| 11          | 17     | 416  | 951  | -      | -    | -    | -    | -    | -    | 17    | 416         | 16.2       | 951     | 125.3 |
| 12          | 4      | 449  | 1126 | -      | -    | -    | -    | -    | -    | 4     | 449         | 14.5       | 1126    | 113.4 |
| 13          | 3      | 453  | 1177 | -      | -    | -    | -    | -    | -    | 3     | 453         | 20.6       | 1177    | 216.8 |
| 14          | 2      | 470  | 1398 | -      | -    | -    | -    | -    | -    | 2     | 470         | 42.4       | 1398    | 307.6 |
| TOTAL       | 107    |      |      | -      |      |      | -    |      |      | 107   |             |            |         |       |
| MEAN        |        | 414  | 923  |        | -    | -    |      | -    | -    |       | 414         | 23.8       | 923     | 168.2 |
| MEAN AGE    | 9.4    |      |      | -      |      |      | -    |      |      | 9.4   |             |            |         |       |

Table 27. Age composition of commercial whitefish for each seasonal period from area II, 1997/98.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |            |         |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------------|---------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |            | DRESSED |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) | WEIGHT (g) |         |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.        |         | MEAN  |
| (mm)        | (g)    | (mm) | (g)  | (mm)   | (g)  | (mm) | (g)  | (mm) | (g)  | (mm)  | (g)         | (mm)       | (g)     |       |
| 5           | -      | -    | -    | -      | -    | -    | 1    | 321  | 410  | 1     | 321         | -          | 410     | -     |
| 6           | -      | -    | -    | -      | -    | -    | 6    | 375  | 668  | 6     | 375         | 25.6       | 668     | 131.9 |
| 7           | -      | -    | -    | -      | -    | -    | 21   | 378  | 665  | 21    | 378         | 21.0       | 665     | 106.2 |
| 8           | -      | -    | -    | -      | -    | -    | 43   | 398  | 748  | 43    | 398         | 23.7       | 748     | 148.2 |
| 9           | -      | -    | -    | -      | -    | -    | 18   | 405  | 806  | 18    | 405         | 20.8       | 806     | 129.7 |
| 10          | -      | -    | -    | -      | -    | -    | 8    | 418  | 841  | 8     | 418         | 10.8       | 841     | 96.5  |
| 11          | -      | -    | -    | -      | -    | -    | 4    | 445  | 1031 | 4     | 445         | 28.0       | 1031    | 215.3 |
| 12          | -      | -    | -    | -      | -    | -    | 2    | 426  | 908  | 2     | 426         | 36.8       | 908     | 244.0 |
| TOTAL       | -      |      |      | -      |      |      | 103  |      |      | 103   |             |            |         |       |
| MEAN        | -      | -    | -    | -      | -    | -    |      | 397  | 754  |       | 397         | 27.9       | 754     | 159.1 |
| MEAN AGE    | -      |      |      | -      |      |      | 8.2  |      |      | 8.2   |             |            |         |       |

Table 28. Age composition of commercial whitefish for each seasonal period from area III, 1997/98.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |            |         |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------------|---------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |            | DRESSED |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) | WEIGHT (g) |         |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.        |         | MEAN  |
| (mm)        | (g)    | (mm) | (g)  | (mm)   | (g)  | (mm) | (g)  | (mm) | (g)  | (mm)  | (g)         | (mm)       | (g)     |       |
| 7           | 1      | 380  | 625  | -      | -    | -    | -    | -    | -    | 1     | 380         | -          | 625     | -     |
| 8           | 9      | 386  | 788  | -      | -    | -    | -    | -    | -    | 9     | 386         | 13.0       | 788     | 124.1 |
| 9           | 41     | 401  | 857  | -      | -    | -    | -    | -    | -    | 41    | 401         | 16.8       | 857     | 136.3 |
| 10          | 20     | 411  | 926  | -      | -    | -    | -    | -    | -    | 20    | 411         | 19.0       | 926     | 138.9 |
| 11          | 17     | 416  | 928  | -      | -    | -    | -    | -    | -    | 17    | 416         | 16.0       | 928     | 121.4 |
| 12          | 14     | 424  | 1029 | -      | -    | -    | -    | -    | -    | 14    | 424         | 15.2       | 1029    | 137.2 |
| 13          | 5      | 443  | 1127 | -      | -    | -    | -    | -    | -    | 5     | 443         | 17.6       | 1127    | 186.4 |
| 14          | 1      | 444  | 1340 | -      | -    | -    | -    | -    | -    | 1     | 444         | -          | 1340    | -     |
| TOTAL       | 108    |      |      | -      |      |      | -    |      |      | 108   |             |            |         |       |
| MEAN        |        | 409  | 912  | -      | -    | -    | -    | -    | -    |       | 409         | 21.0       | 912     | 162.1 |
| MEAN AGE    | 10.0   |      |      | -      |      |      | -    |      |      | 10.0  |             |            |         |       |

Table 29. Age composition of commercial whitefish for each seasonal period from area IV, 1997/98.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |            |         |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------------|---------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |            | DRESSED |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) | WEIGHT (g) |         |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.        |         | MEAN  |
| (mm)        | (g)    | (mm) | (g)  | (mm)   | (g)  | (mm) | (g)  | (mm) | (g)  | (mm)  | (g)         | (mm)       | (g)     |       |
| 6           | 1      | 373  | 670  | -      | -    | -    | -    | -    | -    | 1     | 373         | -          | 670     | -     |
| 7           | 4      | 377  | 715  | -      | -    | -    | -    | -    | -    | 4     | 377         | 7.5        | 715     | 24.8  |
| 8           | 11     | 380  | 722  | -      | -    | -    | -    | -    | -    | 11    | 380         | 14.7       | 722     | 54.8  |
| 9           | 19     | 403  | 827  | -      | -    | -    | -    | -    | -    | 19    | 403         | 19.8       | 827     | 126.2 |
| 10          | 20     | 397  | 765  | -      | -    | -    | -    | -    | -    | 20    | 397         | 20.6       | 765     | 99.3  |
| 11          | 26     | 403  | 859  | -      | -    | -    | -    | -    | -    | 26    | 403         | 25.4       | 859     | 146.4 |
| 12          | 10     | 407  | 862  | -      | -    | -    | -    | -    | -    | 10    | 407         | 15.6       | 862     | 125.5 |
| 13          | 7      | 420  | 935  | -      | -    | -    | -    | -    | -    | 7     | 420         | 28.0       | 935     | 138.6 |
| 14          | 3      | 423  | 952  | -      | -    | -    | -    | -    | -    | 3     | 423         | 21.6       | 952     | 132.9 |
| 15          | 4      | 442  | 1206 | -      | -    | -    | -    | -    | -    | 4     | 442         | 28.8       | 1206    | 249.3 |
| 16          | 1      | 475  | 1475 | -      | -    | -    | -    | -    | -    | 1     | 475         | -          | 1475    | -     |
| TOTAL       | 106    |      |      | -      |      |      | -    |      |      | 106   |             |            |         |       |
| MEAN        |        | 403  | 841  | -      | -    | -    | -    | -    | -    |       | 403         | 25.6       | 841     | 167.2 |
| MEAN AGE    | 10.5   |      |      | -      |      |      | -    |      |      | 10.5  |             |            |         |       |

Table 30. Age composition of commercial whitefish for each seasonal period from area V, 1997/98.

| AGE<br>(yr) | WINTER |      |      |     | SUMMER |      |     |      | FALL |      |             |            | TOTAL   |       |  |  |
|-------------|--------|------|------|-----|--------|------|-----|------|------|------|-------------|------------|---------|-------|--|--|
|             | NO.    | MEAN | MEAN | NO. | MEAN   | MEAN | NO. | MEAN | MEAN | NO.  | FORK        |            | DRESSED |       |  |  |
|             |        | FORK | DR.  |     | FORK   | DR.  |     | FORK | DR.  |      | LENGTH (mm) | WEIGHT (g) |         |       |  |  |
|             |        | LEN. | WT.  |     | LEN.   | WT.  |     | LEN. | WT.  |      | MEAN        | SD.        | MEAN    | SD.   |  |  |
|             |        | (mm) | (g)  |     | (mm)   | (g)  |     | (mm) | (g)  |      |             |            |         |       |  |  |
| 8           | 1      | 360  | 540  | -   | -      | -    | -   | -    | -    | 1    | 360         | -          | 540     | -     |  |  |
| 9           | 4      | 370  | 615  | -   | -      | -    | -   | -    | -    | 4    | 370         | 14.5       | 615     | 101.2 |  |  |
| 10          | 6      | 388  | 748  | -   | -      | -    | -   | -    | -    | 6    | 388         | 7.5        | 748     | 57.5  |  |  |
| 11          | 12     | 397  | 801  | -   | -      | -    | -   | -    | -    | 12   | 397         | 21.3       | 801     | 122.4 |  |  |
| 12          | 20     | 408  | 867  | -   | -      | -    | -   | -    | -    | 20   | 408         | 17.1       | 867     | 125.9 |  |  |
| 13          | 27     | 415  | 914  | -   | -      | -    | -   | -    | -    | 27   | 415         | 21.4       | 914     | 153.7 |  |  |
| 14          | 16     | 435  | 1089 | -   | -      | -    | -   | -    | -    | 16   | 435         | 21.5       | 1089    | 218.4 |  |  |
| 15          | 10     | 436  | 1124 | -   | -      | -    | -   | -    | -    | 10   | 436         | 18.7       | 1124    | 179.7 |  |  |
| 16          | 6      | 446  | 1203 | -   | -      | -    | -   | -    | -    | 6    | 446         | 15.6       | 1203    | 174.3 |  |  |
| 17          | 1      | 435  | 1040 | -   | -      | -    | -   | -    | -    | 1    | 435         | -          | 1040    | -     |  |  |
| TOTAL       | 103    |      |      | -   |        |      | -   |      |      | 103  |             |            |         |       |  |  |
| MEAN        |        | 415  | 932  | -   | -      | -    | -   | -    | -    |      | 415         | 26.6       | 932     | 211.5 |  |  |
| MEAN AGE    | 12.8   |      |      | -   |        |      | -   |      |      | 12.8 |             |            |         |       |  |  |

Table 31. Length composition of whitefish for all areas combined from Great Slave Lake commercial fishery, 1997/98.

| LENGTH<br>INTERVAL<br>(mm) | NO.  | %    | FORK LENGTH (mm) |      | DRESSED WEIGHT (g) |       |
|----------------------------|------|------|------------------|------|--------------------|-------|
|                            |      |      | MEAN             | SD.  | MEAN               | SD.   |
| 320-329                    | 1    | -    | 321              | -    | 410                | -     |
| 330-339                    | 3    | 0.3  | 336              | 2.1  | 462                | 18.9  |
| 340-349                    | 6    | 0.6  | 345              | 3.0  | 478                | 39.5  |
| 350-359                    | 15   | 1.4  | 353              | 3.4  | 538                | 53.0  |
| 360-369                    | 34   | 3.3  | 364              | 3.0  | 609                | 61.0  |
| 370-379                    | 64   | 6.2  | 374              | 3.1  | 684                | 54.3  |
| 380-389                    | 106  | 10.2 | 384              | 2.7  | 736                | 61.8  |
| 390-399                    | 122  | 11.8 | 394              | 2.8  | 769                | 66.4  |
| 400-409                    | 180  | 17.4 | 403              | 2.8  | 827                | 67.7  |
| 410-419                    | 153  | 14.8 | 413              | 3.0  | 888                | 76.1  |
| 420-429                    | 140  | 13.5 | 423              | 2.6  | 949                | 87.3  |
| 430-439                    | 95   | 9.2  | 432              | 2.7  | 1029               | 95.0  |
| 440-449                    | 46   | 4.4  | 443              | 2.7  | 1126               | 94.8  |
| 450-459                    | 29   | 2.8  | 453              | 2.6  | 1166               | 107.4 |
| 460-469                    | 20   | 1.9  | 462              | 2.4  | 1275               | 121.9 |
| 470-479                    | 14   | 1.4  | 473              | 2.8  | 1348               | 116.0 |
| 480-489                    | 3    | 0.3  | 484              | 3.2  | 1448               | 307.5 |
| 490-499                    | 2    | 0.2  | 494              | 2.1  | 1500               | 240.4 |
| 500-509                    | 2    | 0.2  | 503              | 3.5  | 1893               | 392.4 |
| 520-529                    | 1    | -    | 522              | -    | 2295               | -     |
| TOTAL                      | 1036 |      |                  |      |                    |       |
| MEAN                       |      |      | 408              | 26.3 | 876                | 194.2 |

Table 32. Length composition of commercial whitefish for each seasonal period from area IW, 1997/98.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |             | SUMMER |              |             | FALL |              |             | TOTAL |             |            |         |       |
|----------------------------|--------|--------------|-------------|--------|--------------|-------------|------|--------------|-------------|-------|-------------|------------|---------|-------|
|                            | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.  | MEAN<br>FORK | MEAN<br>DR. | NO.   | FORK        |            | DRESSED |       |
|                            |        | LEN.         | WT.         |        | LEN.         | WT.         |      | LEN.         | WT.         |       | LENGTH (mm) | WEIGHT (g) |         |       |
|                            |        | (mm)         | (g)         |        | (mm)         | (g)         |      | (mm)         | (g)         |       | MEAN        | SD.        | MEAN    | SD.   |
| 340-349                    | 1      | 347          | 505         | -      | -            | -           | -    | -            | -           | 1     | 347         | -          | 505     | -     |
| 350-359                    | 1      | 350          | 505         | -      | -            | -           | -    | -            | -           | 1     | 350         | -          | 505     | -     |
| 360-369                    | 3      | 364          | 660         | -      | -            | -           | -    | -            | -           | 3     | 364         | 2.6        | 660     | 26.5  |
| 370-379                    | 7      | 373          | 666         | -      | -            | -           | -    | -            | -           | 7     | 373         | 3.0        | 666     | 52.2  |
| 380-389                    | 17     | 384          | 754         | -      | -            | -           | -    | -            | -           | 17    | 384         | 2.8        | 754     | 58.9  |
| 390-399                    | 17     | 394          | 801         | -      | -            | -           | -    | -            | -           | 17    | 394         | 2.4        | 801     | 49.6  |
| 400-409                    | 39     | 403          | 837         | -      | -            | -           | -    | -            | -           | 39    | 403         | 3.1        | 837     | 60.3  |
| 410-419                    | 34     | 413          | 892         | -      | -            | -           | -    | -            | -           | 34    | 413         | 2.7        | 892     | 53.4  |
| 420-429                    | 31     | 422          | 965         | -      | -            | -           | -    | -            | -           | 31    | 422         | 2.3        | 965     | 71.3  |
| 430-439                    | 29     | 432          | 1027        | -      | -            | -           | -    | -            | -           | 29    | 432         | 2.1        | 1027    | 64.2  |
| 440-449                    | 12     | 441          | 1132        | -      | -            | -           | -    | -            | -           | 12    | 441         | 1.5        | 1132    | 66.3  |
| 450-459                    | 6      | 454          | 1180        | -      | -            | -           | -    | -            | -           | 6     | 454         | 2.2        | 1180    | 71.6  |
| 460-469                    | 6      | 463          | 1266        | -      | -            | -           | -    | -            | -           | 6     | 463         | 1.8        | 1266    | 142.0 |
| 470-479                    | 3      | 472          | 1343        | -      | -            | -           | -    | -            | -           | 3     | 472         | 0.6        | 1343    | 71.8  |
| 480-489                    | 1      | 485          | 1230        | -      | -            | -           | -    | -            | -           | 1     | 485         | -          | 1230    | -     |
| 500-509                    | 1      | 500          | 1615        | -      | -            | -           | -    | -            | -           | 1     | 500         | -          | 1615    | -     |
| TOTAL                      | 208    |              |             | -      |              |             | -    |              |             | 208   |             |            |         |       |
| MEAN                       |        | 414          | 922         |        | -            | -           |      | -            | -           |       | 414         | 24.3       | 922     | 169.9 |

Table 33. Length composition of commercial whitefish for each seasonal period from area II, 1997/98.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |            | SUMMER |              |            | FALL |              |            | TOTAL |             |      |            |       |
|----------------------------|--------|--------------|------------|--------|--------------|------------|------|--------------|------------|-------|-------------|------|------------|-------|
|                            | NO.    | MEAN         | MEAN       | NO.    | MEAN         | MEAN       | NO.  | MEAN         | MEAN       | NO.   | FORK        |      | DRESSED    |       |
|                            |        | FORK         | DR.        |        | FORK         | DR.        |      | FORK         | DR.        |       | LENGTH (mm) |      | WEIGHT (g) |       |
|                            |        | LEN.<br>(mm) | WT.<br>(g) |        | LEN.<br>(mm) | WT.<br>(g) |      | LEN.<br>(mm) | WT.<br>(g) |       | MEAN        | SD.  | MEAN       | SD.   |
| 320-329                    | -      | -            | -          | -      | -            | -          | 1    | 321          | 410        | 1     | 321         | -    | 410        | -     |
| 330-339                    | -      | -            | -          | -      | -            | -          | 3    | 336          | 462        | 3     | 336         | 2.1  | 462        | 18.9  |
| 340-349                    | -      | -            | -          | -      | -            | -          | 3    | 346          | 453        | 3     | 346         | 3.5  | 453        | 35.1  |
| 350-359                    | -      | -            | -          | -      | -            | -          | 9    | 354          | 527        | 9     | 354         | 3.8  | 527        | 44.5  |
| 360-369                    | -      | -            | -          | -      | -            | -          | 11   | 365          | 577        | 11    | 365         | 3.6  | 577        | 49.4  |
| 370-379                    | -      | -            | -          | -      | -            | -          | 18   | 375          | 660        | 18    | 375         | 3.1  | 660        | 43.5  |
| 380-389                    | -      | -            | -          | -      | -            | -          | 22   | 384          | 680        | 22    | 384         | 3.1  | 680        | 44.7  |
| 390-399                    | -      | -            | -          | -      | -            | -          | 31   | 394          | 720        | 31    | 394         | 3.0  | 720        | 46.2  |
| 400-409                    | -      | -            | -          | -      | -            | -          | 42   | 403          | 781        | 42    | 403         | 3.1  | 781        | 46.3  |
| 410-419                    | -      | -            | -          | -      | -            | -          | 25   | 413          | 817        | 25    | 413         | 3.2  | 817        | 70.8  |
| 420-429                    | -      | -            | -          | -      | -            | -          | 17   | 422          | 887        | 17    | 422         | 2.8  | 887        | 59.5  |
| 430-439                    | -      | -            | -          | -      | -            | -          | 12   | 433          | 958        | 12    | 433         | 3.0  | 958        | 66.0  |
| 440-449                    | -      | -            | -          | -      | -            | -          | 1    | 443          | 1060       | 1     | 443         | -    | 1060       | -     |
| 450-459                    | -      | -            | -          | -      | -            | -          | 7    | 452          | 1091       | 7     | 452         | 3.2  | 1091       | 61.4  |
| 470-479                    | -      | -            | -          | -      | -            | -          | 2    | 474          | 1273       | 2     | 474         | 5.7  | 1273       | 60.1  |
| TOTAL                      | -      | -            | -          | -      | -            | -          | 204  | -            | -          | 204   | -           | -    | -          | -     |
| MEAN                       | -      | -            | -          | -      | -            | -          | -    | 398          | 757        | -     | 398         | 26.0 | 757        | 151.2 |

Table 34. Length composition of commercial whitefish for each seasonal period from area III, 1997/98.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|----------------------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|                            | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|                            |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
|                            |        |                      |                    |        |                      |                    |      |                      |                    |       |                     |      |                       |       |
| 350-359                    | 1      | 353                  | 635                | -      | -                    | -                  | -    | -                    | -                  | 1     | 353                 | -    | 635                   | -     |
| 360-369                    | 4      | 362                  | 611                | -      | -                    | -                  | -    | -                    | -                  | 4     | 362                 | 2.3  | 611                   | 94.2  |
| 370-379                    | 4      | 376                  | 693                | -      | -                    | -                  | -    | -                    | -                  | 4     | 376                 | 3.0  | 693                   | 54.8  |
| 380-389                    | 26     | 384                  | 752                | -      | -                    | -                  | -    | -                    | -                  | 26    | 384                 | 3.2  | 752                   | 60.3  |
| 390-399                    | 28     | 393                  | 803                | -      | -                    | -                  | -    | -                    | -                  | 28    | 393                 | 2.7  | 803                   | 70.5  |
| 400-409                    | 46     | 403                  | 858                | -      | -                    | -                  | -    | -                    | -                  | 46    | 403                 | 2.6  | 858                   | 72.3  |
| 410-419                    | 35     | 414                  | 916                | -      | -                    | -                  | -    | -                    | -                  | 35    | 414                 | 2.9  | 916                   | 63.7  |
| 420-429                    | 34     | 423                  | 992                | -      | -                    | -                  | -    | -                    | -                  | 34    | 423                 | 3.0  | 992                   | 95.0  |
| 430-439                    | 15     | 432                  | 1049               | -      | -                    | -                  | -    | -                    | -                  | 15    | 432                 | 3.0  | 1049                  | 86.5  |
| 440-449                    | 9      | 443                  | 1181               | -      | -                    | -                  | -    | -                    | -                  | 9     | 443                 | 2.5  | 1181                  | 112.0 |
| 450-459                    | 2      | 453                  | 1175               | -      | -                    | -                  | -    | -                    | -                  | 2     | 453                 | 2.8  | 1175                  | 91.9  |
| 460-469                    | 3      | 462                  | 1347               | -      | -                    | -                  | -    | -                    | -                  | 3     | 462                 | 3.2  | 1347                  | 63.3  |
| 480-489                    | 1      | 486                  | 1800               | -      | -                    | -                  | -    | -                    | -                  | 1     | 486                 | -    | 1800                  | -     |
| 500-509                    | 1      | 505                  | 2170               | -      | -                    | -                  | -    | -                    | -                  | 1     | 505                 | -    | 2170                  | -     |
| 520-529                    | 1      | 522                  | 2295               | -      | -                    | -                  | -    | -                    | -                  | 1     | 522                 | -    | 2295                  | -     |
| TOTAL                      | 210    |                      |                    | -      |                      |                    | -    |                      |                    | 210   |                     |      |                       |       |
| MEAN                       |        | 409                  | 915                |        | -                    | -                  |      | -                    | -                  |       | 409                 | 22.9 | 915                   | 208.1 |

Table 35. Length composition of commercial whitefish for each seasonal period from area IV, 1997/98.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |            | SUMMER |              |            | FALL |              |            | TOTAL |             |      |            |       |
|----------------------------|--------|--------------|------------|--------|--------------|------------|------|--------------|------------|-------|-------------|------|------------|-------|
|                            | NO.    | MEAN         | MEAN       | NO.    | MEAN         | MEAN       | NO.  | MEAN         | MEAN       | NO.   | FORK        |      | DRESSED    |       |
|                            |        | FORK         | DR.        |        | FORK         | DR.        |      | FORK         | DR.        |       | LENGTH (mm) |      | WEIGHT (g) |       |
|                            |        | LEN.<br>(mm) | WT.<br>(g) |        | LEN.<br>(mm) | WT.<br>(g) |      | LEN.<br>(mm) | WT.<br>(g) |       | MEAN        | SD.  | MEAN       | SD.   |
| 340-349                    | 1      | 343          | 530        | -      | -            | -          | -    | -            | -          | 1     | 343         | -    | 530        | -     |
| 350-359                    | 3      | 352          | 567        | -      | -            | -          | -    | -            | -          | 3     | 352         | 2.9  | 567        | 55.3  |
| 360-369                    | 11     | 363          | 632        | -      | -            | -          | -    | -            | -          | 11    | 363         | 2.8  | 632        | 56.1  |
| 370-379                    | 30     | 373          | 706        | -      | -            | -          | -    | -            | -          | 30    | 373         | 2.8  | 706        | 51.4  |
| 380-389                    | 26     | 384          | 748        | -      | -            | -          | -    | -            | -          | 26    | 384         | 2.4  | 748        | 53.5  |
| 390-399                    | 22     | 394          | 769        | -      | -            | -          | -    | -            | -          | 22    | 394         | 2.9  | 769        | 70.9  |
| 400-409                    | 27     | 402          | 823        | -      | -            | -          | -    | -            | -          | 27    | 402         | 2.5  | 823        | 71.1  |
| 410-419                    | 37     | 413          | 896        | -      | -            | -          | -    | -            | -          | 37    | 413         | 3.1  | 896        | 88.4  |
| 420-429                    | 24     | 423          | 901        | -      | -            | -          | -    | -            | -          | 24    | 423         | 2.3  | 901        | 86.0  |
| 430-439                    | 11     | 433          | 1013       | -      | -            | -          | -    | -            | -          | 11    | 433         | 2.8  | 1013       | 133.3 |
| 440-449                    | 10     | 445          | 1111       | -      | -            | -          | -    | -            | -          | 10    | 445         | 1.7  | 1111       | 101.2 |
| 450-459                    | 1      | 458          | 1130       | -      | -            | -          | -    | -            | -          | 1     | 458         | -    | 1130       | -     |
| 460-469                    | 3      | 460          | 1147       | -      | -            | -          | -    | -            | -          | 3     | 460         | 0.6  | 1147       | 67.9  |
| 470-479                    | 3      | 473          | 1462       | -      | -            | -          | -    | -            | -          | 3     | 473         | 2.6  | 1462       | 12.6  |
| 490-499                    | 1      | 492          | 1330       | -      | -            | -          | -    | -            | -          | 1     | 492         | -    | 1330       | -     |
| TOTAL<br>MEAN              | 210    | 402          | 839        | -      | -            | -          | -    | -            | -          | 210   | 402         | 26.3 | 839        | 167.5 |

Table 36. Length composition of commercial whitefish for each seasonal period from area V, 1997/98.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |                              |                           | SUMMER |                              |                           | FALL |                              |                           | TOTAL |                     |      |                       |       |
|----------------------------|--------|------------------------------|---------------------------|--------|------------------------------|---------------------------|------|------------------------------|---------------------------|-------|---------------------|------|-----------------------|-------|
|                            | NO.    | MEAN<br>FORK<br>LEN.<br>(mm) | MEAN<br>DR.<br>WT.<br>(g) | NO.    | MEAN<br>FORK<br>LEN.<br>(mm) | MEAN<br>DR.<br>WT.<br>(g) | NO.  | MEAN<br>FORK<br>LEN.<br>(mm) | MEAN<br>DR.<br>WT.<br>(g) | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|                            |        |                              |                           |        |                              |                           |      |                              |                           |       | MEAN                | SD.  | MEAN                  | SD.   |
| 340-349                    | 1      | 342                          | 470                       | -      | -                            | -                         | -    | -                            | -                         | 1     | 342                 | -    | 470                   | -     |
| 350-359                    | 1      | 353                          | 480                       | -      | -                            | -                         | -    | -                            | -                         | 1     | 353                 | -    | 480                   | -     |
| 360-369                    | 5      | 363                          | 595                       | -      | -                            | -                         | -    | -                            | -                         | 5     | 363                 | 2.2  | 595                   | 57.7  |
| 370-379                    | 5      | 373                          | 659                       | -      | -                            | -                         | -    | -                            | -                         | 5     | 373                 | 3.0  | 659                   | 72.6  |
| 380-389                    | 15     | 383                          | 750                       | -      | -                            | -                         | -    | -                            | -                         | 15    | 383                 | 2.1  | 750                   | 62.6  |
| 390-399                    | 24     | 393                          | 769                       | -      | -                            | -                         | -    | -                            | -                         | 24    | 393                 | 2.7  | 769                   | 54.6  |
| 400-409                    | 26     | 403                          | 839                       | -      | -                            | -                         | -    | -                            | -                         | 26    | 403                 | 2.9  | 839                   | 58.7  |
| 410-419                    | 22     | 412                          | 900                       | -      | -                            | -                         | -    | -                            | -                         | 22    | 412                 | 2.7  | 900                   | 64.5  |
| 420-429                    | 34     | 423                          | 958                       | -      | -                            | -                         | -    | -                            | -                         | 34    | 423                 | 2.8  | 958                   | 75.7  |
| 430-439                    | 28     | 433                          | 1059                      | -      | -                            | -                         | -    | -                            | -                         | 28    | 433                 | 2.8  | 1059                  | 106.7 |
| 440-449                    | 14     | 443                          | 1101                      | -      | -                            | -                         | -    | -                            | -                         | 14    | 443                 | 3.1  | 1101                  | 96.5  |
| 450-459                    | 13     | 453                          | 1202                      | -      | -                            | -                         | -    | -                            | -                         | 13    | 453                 | 2.2  | 1202                  | 131.6 |
| 460-469                    | 8      | 462                          | 1303                      | -      | -                            | -                         | -    | -                            | -                         | 8     | 462                 | 2.7  | 1303                  | 115.1 |
| 470-479                    | 6      | 472                          | 1319                      | -      | -                            | -                         | -    | -                            | -                         | 6     | 472                 | 3.0  | 1319                  | 145.3 |
| 480-489                    | 1      | 480                          | 1315                      | -      | -                            | -                         | -    | -                            | -                         | 1     | 480                 | -    | 1315                  | -     |
| 490-499                    | 1      | 495                          | 1670                      | -      | -                            | -                         | -    | -                            | -                         | 1     | 495                 | -    | 1670                  | -     |
| TOTAL                      | 204    |                              |                           | -      |                              |                           | -    |                              |                           | 204   |                     |      |                       |       |
| MEAN                       |        | 418                          | 947                       |        | -                            | -                         |      | -                            | -                         |       | 418                 | 27.1 | 947                   | 205.4 |

Table 37. Weight composition by market weight intervals for whitefish sampled from Great Slave Lake commercial fishery, 1998/99.

| MARKET WEIGHT<br>INTERVAL<br>(DRESSED) | AREA IE |    | AREA IW |    | AREA II |    | AREA III |    | AREA IV |    | AREA V |   | TOTAL |    |
|----------------------------------------|---------|----|---------|----|---------|----|----------|----|---------|----|--------|---|-------|----|
|                                        | NO.     | %  | NO.     | %  | NO.     | %  | NO.      | %  | NO.     | %  | NO.    | % | NO.   | %  |
| NO MARKET<br>(< 0.45 kg)               | -       | -  | -       | -  | 5       | 2  | -        | -  | 1       | -  | -      | - | 6     | -  |
| SMALL<br>(0.45-0.69 kg)                | 6       | 3  | 9       | 3  | 55      | 27 | 7        | 3  | 67      | 16 | -      | - | 144   | 11 |
| MEDIUM<br>(0.70-1.39 kg)               | 199     | 95 | 241     | 82 | 146     | 71 | 200      | 95 | 347     | 83 | -      | - | 1133  | 85 |
| LARGE<br>(1.40-1.80 kg)                | 4       | 2  | 40      | 14 | -       | -  | 2        | -  | 4       | -  | -      | - | 50    | 4  |
| JUMBO<br>(> 1.80 kg)                   | 1       | -  | 5       | 2  | -       | -  | 1        | -  | -       | -  | -      | - | 7     | -  |
| TOTAL                                  | 210     |    | 295     |    | 206     |    | 210      |    | 419     |    | -      |   | 1340  |    |

Table 38. Age composition of whitefish for all areas combined from  
Great Slave Lake commercial fishery, 1998/99.

| AGE<br>(yr) | NO.  | %    | FORK LENGTH (mm) |      | DRESSED WEIGHT (g) |       |
|-------------|------|------|------------------|------|--------------------|-------|
|             |      |      | MEAN             | SD.  | MEAN               | SD.   |
| 6           | 7    | 1.0  | 342              | 17.7 | 511                | 77.1  |
| 7           | 23   | 3.4  | 375              | 28.8 | 672                | 156.1 |
| 8           | 56   | 8.3  | 388              | 20.0 | 720                | 116.7 |
| 9           | 107  | 15.8 | 395              | 18.4 | 788                | 120.8 |
| 10          | 148  | 21.8 | 405              | 21.1 | 843                | 135.3 |
| 11          | 150  | 22.1 | 413              | 22.7 | 890                | 143.6 |
| 12          | 91   | 13.4 | 427              | 28.1 | 983                | 204.5 |
| 13          | 52   | 7.7  | 438              | 29.5 | 1073               | 224.3 |
| 14          | 26   | 3.8  | 441              | 35.7 | 1117               | 272.9 |
| 15          | 15   | 2.2  | 469              | 24.4 | 1293               | 184.2 |
| 16          | 2    | 0.3  | 484              | 38.2 | 1290               | 84.9  |
| 17          | 1    | 0.1  | 538              | -    | 1985               | -     |
| TOTAL       | 678  |      |                  |      |                    |       |
| MEAN        |      |      | 411              | 31.3 | 885                | 211.4 |
| MEAN AGE    | 10.5 |      |                  |      |                    |       |

Table 39. Age composition of commercial whitefish for each seasonal period from area IW, 1998/99.

| AGE<br>(yr) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|-------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|             | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|             |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
| 6           | 2      | 346                  | 520                | -      | -                    | -                  | -    | -                    | -                  | 2     | 346                 | 22.6 | 520                   | 70.7  |
| 7           | 1      | 362                  | 570                | 1      | 399                  | 825                | -    | -                    | -                  | 2     | 381                 | 26.2 | 698                   | 180.3 |
| 8           | 6      | 401                  | 816                | 3      | 433                  | 982                | -    | -                    | -                  | 9     | 411                 | 21.1 | 871                   | 134.4 |
| 9           | 7      | 395                  | 752                | 8      | 419                  | 956                | -    | -                    | -                  | 15    | 408                 | 19.5 | 861                   | 142.1 |
| 10          | 15     | 414                  | 848                | 13     | 420                  | 932                | -    | -                    | -                  | 28    | 416                 | 14.8 | 887                   | 101.6 |
| 11          | 11     | 415                  | 883                | 16     | 445                  | 1084               | -    | -                    | -                  | 27    | 433                 | 21.4 | 1002                  | 154.8 |
| 12          | 3      | 440                  | 1033               | 20     | 452                  | 1140               | -    | -                    | -                  | 23    | 450                 | 25.0 | 1126                  | 204.0 |
| 13          | 1      | 422                  | 890                | 18     | 459                  | 1194               | -    | -                    | -                  | 19    | 457                 | 20.7 | 1178                  | 181.3 |
| 14          | -      | -                    | -                  | 11     | 462                  | 1258               | -    | -                    | -                  | 11    | 462                 | 36.8 | 1258                  | 250.9 |
| 15          | -      | -                    | -                  | 10     | 482                  | 1392               | -    | -                    | -                  | 10    | 482                 | 15.0 | 1392                  | 104.2 |
| 16          | -      | -                    | -                  | 2      | 484                  | 1290               | -    | -                    | -                  | 2     | 484                 | 38.2 | 1290                  | 84.9  |
| 17          | -      | -                    | -                  | 1      | 538                  | 1985               | -    | -                    | -                  | 1     | 538                 | -    | 1985                  | -     |
| TOTAL       | 46     |                      |                    | 103    |                      |                    | -    |                      |                    | 149   |                     |      |                       |       |
| MEAN        |        | 407                  | 830                |        | 450                  | 1141               | -    | -                    | -                  |       | 437                 | 34.3 | 1045                  | 248.2 |
| MEAN AGE    | 9.8    |                      |                    | 12.0   |                      |                    | -    |                      |                    | 11.3  |                     |      |                       |       |

Table 40. Age composition of commercial whitefish for each seasonal period from area IE, 1998/99.

| AGE<br>(yr) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|-------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|             | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|             |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
| 7           | -      | -                    | -                  | 3      | 427                  | 963                | -    | -                    | -                  | 3     | 427                 | 21.6 | 963                   | 138.1 |
| 9           | -      | -                    | -                  | 12     | 396                  | 829                | -    | -                    | -                  | 12    | 396                 | 27.2 | 829                   | 181.0 |
| 10          | -      | -                    | -                  | 30     | 412                  | 901                | -    | -                    | -                  | 30    | 412                 | 23.2 | 901                   | 167.5 |
| 11          | -      | -                    | -                  | 32     | 414                  | 876                | -    | -                    | -                  | 32    | 414                 | 22.9 | 876                   | 120.7 |
| 12          | -      | -                    | -                  | 16     | 434                  | 1053               | -    | -                    | -                  | 16    | 434                 | 32.0 | 1053                  | 271.5 |
| 13          | -      | -                    | -                  | 8      | 428                  | 1002               | -    | -                    | -                  | 8     | 428                 | 34.3 | 1002                  | 213.4 |
| 14          | -      | -                    | -                  | 3      | 406                  | 848                | -    | -                    | -                  | 3     | 406                 | 13.7 | 848                   | 114.1 |
| TOTAL       | -      |                      |                    | 104    |                      |                    | -    |                      |                    | 104   |                     |      |                       |       |
| MEAN        |        | -                    | -                  |        | 416                  | 916                | -    | -                    | -                  |       | 416                 | 27.3 | 916                   | 188.0 |
| MEAN AGE    | -      |                      |                    | 10.8   |                      |                    | -    |                      |                    | 10.8  |                     |      |                       |       |

Table 41. Age composition of commercial whitefish for each seasonal period from area II, 1998/99.

| AGE<br>(yr) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|-------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|             | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|             |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
|             |        |                      |                    |        |                      |                    |      |                      |                    |       |                     |      |                       |       |
| 6           | -      | -                    | -                  | -      | -                    | -                  | 4    | 336                  | 506                | 4     | 336                 | 18.2 | 506                   | 100.6 |
| 7           | -      | -                    | -                  | -      | -                    | -                  | 14   | 365                  | 626                | 14    | 365                 | 18.5 | 626                   | 89.5  |
| 8           | -      | -                    | -                  | -      | -                    | -                  | 34   | 382                  | 689                | 34    | 382                 | 14.6 | 689                   | 74.6  |
| 9           | -      | -                    | -                  | -      | -                    | -                  | 30   | 392                  | 752                | 30    | 392                 | 16.5 | 752                   | 91.7  |
| 10          | -      | -                    | -                  | -      | -                    | -                  | 13   | 404                  | 797                | 13    | 404                 | 11.3 | 797                   | 45.3  |
| 11          | -      | -                    | -                  | -      | -                    | -                  | 5    | 428                  | 898                | 5     | 428                 | 16.5 | 898                   | 176.4 |
| 12          | -      | -                    | -                  | -      | -                    | -                  | 1    | 430                  | 945                | 1     | 430                 | -    | 945                   | -     |
| 14          | -      | -                    | -                  | -      | -                    | -                  | 2    | 437                  | 1023               | 2     | 437                 | 9.2  | 1023                  | 3.5   |
| TOTAL       | -      | -                    | -                  | -      | -                    | -                  | 103  | -                    | -                  | 103   | -                   | -    | -                     | -     |
| MEAN        | -      | -                    | -                  | -      | -                    | -                  | -    | 387                  | 725                | -     | 387                 | 23.9 | 725                   | 123.1 |
| MEAN AGE    | -      | -                    | -                  | -      | -                    | -                  | 8.6  | -                    | -                  | 8.6   | -                   | -    | -                     | -     |

Table 42. Age composition of commercial whitefish for each seasonal period from area III, 1998/99.

| AGE<br>(yr) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |            |         |       |
|-------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------------|---------|-------|
|             | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |            | DRESSED |       |
|             |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) | WEIGHT (g) |         |       |
|             |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.        | MEAN    | SD.   |
|             |        | (mm) | (g)  |        | (mm) | (g)  |      | (mm) | (g)  |       |             |            |         |       |
| 8           | -      | -    | -    | 2      | 384  | 725  | -    | -    | -    | 2     | 384         | 2.1        | 725     | 63.6  |
| 9           | -      | -    | -    | 20     | 392  | 829  | -    | -    | -    | 20    | 392         | 13.5       | 829     | 108.2 |
| 10          | -      | -    | -    | 16     | 403  | 900  | -    | -    | -    | 16    | 403         | 20.7       | 900     | 138.4 |
| 11          | -      | -    | -    | 30     | 411  | 944  | -    | -    | -    | 30    | 411         | 15.3       | 944     | 115.3 |
| 12          | -      | -    | -    | 16     | 417  | 975  | -    | -    | -    | 16    | 417         | 12.3       | 975     | 94.9  |
| 13          | -      | -    | -    | 11     | 434  | 1111 | -    | -    | -    | 11    | 434         | 20.7       | 1111    | 270.2 |
| 14          | -      | -    | -    | 8      | 433  | 1137 | -    | -    | -    | 8     | 433         | 24.3       | 1137    | 266.9 |
| 15          | -      | -    | -    | 3      | 437  | 1110 | -    | -    | -    | 3     | 437         | 12.9       | 1110    | 108.2 |
| TOTAL       | -      | -    | -    | 106    | -    | -    | -    | -    | -    | 106   | -           | -          | -       | -     |
| MEAN        | -      | -    | -    | -      | 411  | 953  | -    | -    | -    | -     | 411         | 21.8       | 953     | 179.2 |
| MEAN AGE    | -      | -    | -    | 11.1   | -    | -    | -    | -    | -    | 11.1  | -           | -          | -       | -     |

Table 43. Age composition of commercial whitefish for each seasonal period from area IV, 1998/99.

| AGE<br>(yr) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |  |
|-------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|--|
|             | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |  |
|             |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |  |
|             |        |                      |                    |        |                      |                    |      |                      |                    |       |                     |      |                       |       |  |
| 6           | -      | -                    | -                  | -      | -                    | -                  | 1    | 356                  | 515                | 1     | 356                 | -    | 515                   | -     |  |
| 7           | -      | -                    | -                  | -      | -                    | -                  | 4    | 371                  | 601                | 4     | 371                 | 27.7 | 601                   | 137.4 |  |
| 8           | 4      | 371                  | 616                | -      | -                    | -                  | 7    | 391                  | 728                | 11    | 384                 | 22.5 | 687                   | 127.1 |  |
| 9           | 10     | 386                  | 700                | -      | -                    | -                  | 20   | 397                  | 755                | 30    | 393                 | 18.9 | 737                   | 94.9  |  |
| 10          | 27     | 382                  | 718                | -      | -                    | -                  | 34   | 409                  | 844                | 61    | 397                 | 21.2 | 789                   | 120.4 |  |
| 11          | 34     | 393                  | 778                | -      | -                    | -                  | 22   | 417                  | 870                | 56    | 402                 | 20.5 | 814                   | 115.2 |  |
| 12          | 21     | 399                  | 809                | -      | -                    | -                  | 14   | 432                  | 943                | 35    | 412                 | 22.6 | 862                   | 126.8 |  |
| 13          | 8      | 404                  | 849                | -      | -                    | -                  | 6    | 444                  | 1063               | 14    | 421                 | 30.4 | 940                   | 178.2 |  |
| 14          | 2      | 424                  | 863                | -      | -                    | -                  | -    | -                    | -                  | 2     | 424                 | 48.1 | 863                   | 194.5 |  |
| 15          | 1      | 435                  | 900                | -      | -                    | -                  | 1    | 475                  | 1250               | 2     | 455                 | 28.3 | 1075                  | 247.5 |  |
| TOTAL       | 107    |                      |                    | -      |                      |                    | 109  |                      |                    | 216   |                     |      |                       |       |  |
| MEAN        |        | 392                  | 764                |        | -                    | -                  |      | 411                  | 842                |       | 401                 | 24.5 | 803                   | 140.2 |  |
| MEAN AGE    | 10.9   |                      |                    |        |                      |                    | 10.2 |                      |                    | 10.5  |                     |      |                       |       |  |

Table 44. Length composition of whitefish for all areas combined from Great Slave Lake commercial fishery, 1998/99.

| LENGTH<br>INTERVAL<br>(mm) | NO.  | %    | FORK LENGTH (mm) |      | DRESSED WEIGHT (g) |       |
|----------------------------|------|------|------------------|------|--------------------|-------|
|                            |      |      | MEAN             | SD.  | MEAN               | SD.   |
| 310-319                    | 1    | -    | 310              | -    | 350                | -     |
| 320-329                    | 4    | 0.3  | 325              | 1.9  | 416                | 50.2  |
| 330-339                    | 4    | 0.3  | 333              | 2.1  | 468                | 22.5  |
| 340-349                    | 10   | 0.7  | 343              | 3.8  | 497                | 44.7  |
| 350-359                    | 15   | 1.1  | 355              | 3.0  | 589                | 41.6  |
| 360-369                    | 41   | 3.1  | 364              | 2.3  | 620                | 46.6  |
| 370-379                    | 78   | 5.8  | 374              | 3.0  | 666                | 57.1  |
| 380-389                    | 133  | 9.9  | 384              | 2.9  | 736                | 61.2  |
| 390-399                    | 200  | 14.9 | 393              | 2.8  | 776                | 65.2  |
| 400-409                    | 202  | 15.1 | 404              | 2.7  | 828                | 67.0  |
| 410-419                    | 185  | 13.8 | 414              | 2.9  | 900                | 75.9  |
| 420-429                    | 137  | 10.2 | 424              | 2.8  | 940                | 80.6  |
| 430-439                    | 105  | 7.8  | 434              | 2.8  | 1018               | 85.4  |
| 440-449                    | 53   | 4.0  | 444              | 3.1  | 1060               | 94.0  |
| 450-459                    | 60   | 4.5  | 454              | 2.9  | 1147               | 83.8  |
| 460-469                    | 34   | 2.5  | 465              | 3.0  | 1261               | 117.3 |
| 470-479                    | 24   | 1.8  | 475              | 2.7  | 1318               | 115.4 |
| 480-489                    | 20   | 1.5  | 484              | 2.7  | 1403               | 219.2 |
| 490-499                    | 10   | 0.7  | 495              | 3.4  | 1372               | 230.0 |
| 500-509                    | 9    | 0.7  | 505              | 3.5  | 1493               | 85.0  |
| 510-519                    | 6    | 0.4  | 514              | 4.0  | 1663               | 246.0 |
| 520-529                    | 5    | 0.4  | 523              | 3.6  | 1713               | 281.7 |
| 530-539                    | 2    | 0.1  | 535              | 4.2  | 1805               | 254.6 |
| 540-549                    | 1    | -    | 541              | -    | 1915               | -     |
| 550-559                    | 1    | -    | 555              | -    | 1615               | -     |
| TOTAL                      | 1340 |      |                  |      |                    |       |
| MEAN                       |      |      | 412              | 32.6 | 894                | 220.3 |

Table 45. Length composition of commercial whitefish for each seasonal period from area IW, 1998/99.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                     |      |                       |       |
|----------------------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|---------------------|------|-----------------------|-------|
|                            | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH (mm) |      | DRESSED<br>WEIGHT (g) |       |
|                            |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       | MEAN                | SD.  | MEAN                  | SD.   |
| 330-339                    | 1      | 330                  | 470                | -      | -                    | -                  | -    | -                    | -                  | 1     | 330                 | -    | 470                   | -     |
| 360-369                    | 3      | 363                  | 597                | -      | -                    | -                  | -    | -                    | -                  | 3     | 363                 | 1.2  | 597                   | 46.2  |
| 370-379                    | 3      | 375                  | 672                | 2      | 371                  | 705                | -    | -                    | -                  | 5     | 373                 | 3.1  | 685                   | 21.5  |
| 380-389                    | 6      | 386                  | 703                | 1      | 384                  | 795                | -    | -                    | -                  | 7     | 386                 | 2.1  | 716                   | 45.5  |
| 390-399                    | 11     | 394                  | 761                | 7      | 396                  | 803                | -    | -                    | -                  | 18    | 394                 | 2.6  | 777                   | 43.4  |
| 400-409                    | 18     | 404                  | 822                | 6      | 406                  | 847                | -    | -                    | -                  | 24    | 405                 | 2.9  | 828                   | 35.7  |
| 410-419                    | 12     | 413                  | 844                | 22     | 416                  | 928                | -    | -                    | -                  | 34    | 415                 | 3.2  | 898                   | 64.3  |
| 420-429                    | 16     | 422                  | 907                | 17     | 425                  | 978                | -    | -                    | -                  | 33    | 424                 | 3.2  | 944                   | 76.9  |
| 430-439                    | 11     | 433                  | 978                | 28     | 435                  | 1038               | -    | -                    | -                  | 39    | 434                 | 2.8  | 1021                  | 66.9  |
| 440-449                    | 1      | 440                  | 1000               | 19     | 445                  | 1052               | -    | -                    | -                  | 20    | 444                 | 3.5  | 1049                  | 105.9 |
| 450-459                    | 5      | 453                  | 1162               | 26     | 455                  | 1150               | -    | -                    | -                  | 31    | 454                 | 2.6  | 1152                  | 81.1  |
| 460-469                    | 1      | 462                  | 1285               | 19     | 466                  | 1255               | -    | -                    | -                  | 20    | 465                 | 2.8  | 1257                  | 107.9 |
| 470-479                    | 1      | 470                  | 1150               | 16     | 475                  | 1320               | -    | -                    | -                  | 17    | 475                 | 2.9  | 1310                  | 129.3 |
| 480-489                    | -      | -                    | -                  | 14     | 484                  | 1411               | -    | -                    | -                  | 14    | 484                 | 2.8  | 1411                  | 130.7 |
| 490-499                    | -      | -                    | -                  | 9      | 495                  | 1443               | -    | -                    | -                  | 9     | 495                 | 3.6  | 1443                  | 38.3  |
| 500-509                    | -      | -                    | -                  | 8      | 506                  | 1492               | -    | -                    | -                  | 8     | 506                 | 3.2  | 1492                  | 90.9  |
| 510-519                    | -      | -                    | -                  | 4      | 513                  | 1593               | -    | -                    | -                  | 4     | 513                 | 4.1  | 1593                  | 273.8 |
| 520-529                    | -      | -                    | -                  | 4      | 523                  | 1800               | -    | -                    | -                  | 4     | 523                 | 4.0  | 1800                  | 235.2 |
| 530-539                    | -      | -                    | -                  | 2      | 535                  | 1805               | -    | -                    | -                  | 2     | 535                 | 4.2  | 1805                  | 254.6 |
| 540-549                    | -      | -                    | -                  | 1      | 541                  | 1915               | -    | -                    | -                  | 1     | 541                 | -    | 1915                  | -     |
| 550-559                    | 1      | 555                  | 1615               | -      | -                    | -                  | -    | -                    | -                  | 1     | 555                 | -    | 1615                  | -     |
| TOTAL<br>MEAN              | 90     | 412                  | 866                | 205    | 452                  | 1159               | -    | -                    | -                  | 295   | 440                 | 36.6 | 1070                  | 267.0 |

Table 46. Length composition of commercial whitefish for each seasonal period from area IE, 1998/99.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |              |             | SUMMER |              |             | FALL |              |             | TOTAL |             |            |         |       |
|----------------------------|--------|--------------|-------------|--------|--------------|-------------|------|--------------|-------------|-------|-------------|------------|---------|-------|
|                            | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.    | MEAN<br>FORK | MEAN<br>DR. | NO.  | MEAN<br>FORK | MEAN<br>DR. | NO.   | FORK        |            | DRESSED |       |
|                            |        | LEN.         | WT.         |        | LEN.         | WT.         |      | LEN.         | WT.         |       | LENGTH (mm) | WEIGHT (g) |         |       |
|                            |        | (mm)         | (g)         |        | (mm)         | (g)         |      | (mm)         | (g)         |       | MEAN        | SD.        | MEAN    | SD.   |
| 360-369                    | -      | -            | -           | 2      | 365          | 660         | -    | -            | -           | 2     | 365         | 4.9        | 660     | 7.1   |
| 370-379                    | -      | -            | -           | 10     | 375          | 708         | -    | -            | -           | 10    | 375         | 3.5        | 708     | 59.2  |
| 380-389                    | -      | -            | -           | 13     | 384          | 735         | -    | -            | -           | 13    | 384         | 2.7        | 735     | 45.6  |
| 390-399                    | -      | -            | -           | 32     | 394          | 785         | -    | -            | -           | 32    | 394         | 2.9        | 785     | 42.0  |
| 400-409                    | -      | -            | -           | 36     | 404          | 833         | -    | -            | -           | 36    | 404         | 2.6        | 833     | 62.2  |
| 410-419                    | -      | -            | -           | 42     | 414          | 891         | -    | -            | -           | 42    | 414         | 2.5        | 891     | 57.5  |
| 420-429                    | -      | -            | -           | 24     | 424          | 939         | -    | -            | -           | 24    | 424         | 2.8        | 939     | 72.1  |
| 430-439                    | -      | -            | -           | 17     | 433          | 1002        | -    | -            | -           | 17    | 433         | 2.7        | 1002    | 86.5  |
| 440-449                    | -      | -            | -           | 9      | 444          | 1069        | -    | -            | -           | 9     | 444         | 3.7        | 1069    | 72.8  |
| 450-459                    | -      | -            | -           | 11     | 456          | 1156        | -    | -            | -           | 11    | 456         | 2.7        | 1156    | 79.6  |
| 460-469                    | -      | -            | -           | 3      | 463          | 1157        | -    | -            | -           | 3     | 463         | 2.3        | 1157    | 93.9  |
| 470-479                    | -      | -            | -           | 4      | 476          | 1349        | -    | -            | -           | 4     | 476         | 2.6        | 1349    | 36.6  |
| 480-489                    | -      | -            | -           | 3      | 484          | 1180        | -    | -            | -           | 3     | 484         | 3.8        | 1180    | 384.3 |
| 490-499                    | -      | -            | -           | 1      | 497          | 725         | -    | -            | -           | 1     | 497         | -          | 725     | -     |
| 510-519                    | -      | -            | -           | 2      | 517          | 1803        | -    | -            | -           | 2     | 517         | 3.5        | 1803    | 137.9 |
| 520-529                    | -      | -            | -           | 1      | 521          | 1365        | -    | -            | -           | 1     | 521         | -          | 1365    | -     |
| TOTAL                      | -      | -            | -           | 210    | -            | -           | -    | -            | -           | 210   | -           | -          | -       | -     |
| MEAN                       | -      | -            | -           | -      | 416          | 907         | -    | -            | -           | -     | 416         | 27.8       | 907     | 180.3 |

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| LENGTH<br>INTERVAL<br>(mm) | WINTER |                      |                    | SUMMER |                      |                    | FALL |                      |                    | TOTAL |                        |             |                           |            |
|----------------------------|--------|----------------------|--------------------|--------|----------------------|--------------------|------|----------------------|--------------------|-------|------------------------|-------------|---------------------------|------------|
|                            | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.    | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.  | MEAN<br>FORK<br>LEN. | MEAN<br>DR.<br>WT. | NO.   | FORK<br>LENGTH<br>MEAN | (mm)<br>SD. | DRESSED<br>WEIGHT<br>MEAN | (g)<br>SD. |
|                            |        | (mm)                 | (g)                |        | (mm)                 | (g)                |      | (mm)                 | (g)                |       |                        |             |                           |            |
| 310-319                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 310                  | 350                | 1     | 310                    | -           | 350                       | -          |
| 320-329                    | -      | -                    | -                  | -      | -                    | -                  | 4    | 325                  | 416                | 4     | 325                    | 1.9         | 416                       | -          |
| 330-339                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 335                  | 495                | 1     | 335                    | -           | 495                       | 50.2       |
| 340-349                    | -      | -                    | -                  | -      | -                    | -                  | 5    | 343                  | 494                | 5     | 343                    | -           | 494                       | -          |
| 350-359                    | -      | -                    | -                  | -      | -                    | -                  | 9    | 354                  | 591                | 9     | 354                    | 3.6         | 591                       | 36.5       |
| 360-369                    | -      | -                    | -                  | -      | -                    | -                  | 10   | 364                  | 628                | 10    | 364                    | 3.1         | 628                       | 35.0       |
| 370-379                    | -      | -                    | -                  | -      | -                    | -                  | 24   | 373                  | 637                | 24    | 373                    | 2.2         | 637                       | 52.0       |
| 380-389                    | -      | -                    | -                  | -      | -                    | -                  | 35   | 384                  | 722                | 35    | 384                    | 3.3         | 722                       | 43.4       |
| 390-399                    | -      | -                    | -                  | -      | -                    | -                  | 40   | 392                  | 740                | 40    | 392                    | 2.8         | 740                       | 45.7       |
| 400-409                    | -      | -                    | -                  | -      | -                    | -                  | 40   | 403                  | 795                | 40    | 403                    | 2.4         | 795                       | 50.2       |
| 410-419                    | -      | -                    | -                  | -      | -                    | -                  | 14   | 412                  | 830                | 14    | 412                    | 3.0         | 830                       | 49.9       |
| 420-429                    | -      | -                    | -                  | -      | -                    | -                  | 13   | 424                  | 905                | 13    | 424                    | 2.7         | 905                       | 45.8       |
| 430-439                    | -      | -                    | -                  | -      | -                    | -                  | 6    | 432                  | 940                | 6     | 432                    | 2.8         | 940                       | 72.4       |
| 440-449                    | -      | -                    | -                  | -      | -                    | -                  | 3    | 441                  | 972                | 3     | 441                    | 3.2         | 972                       | 65.1       |
| 450-459                    | -      | -                    | -                  | -      | -                    | -                  | 1    | 450                  | 1180               | 1     | 450                    | 1.7         | 1180                      | 48.6       |
| TOTAL<br>MEAN              | -      | -                    | -                  | -      | -                    | -                  | 206  | 390                  | 736                | 206   | 390                    | 23.8        | 736                       | 124.6      |

Table 48. Length composition of commercial whitefish for each seasonal period from area III, 1998/99.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |             |      |         |            |
|----------------------------|--------|------|------|--------|------|------|------|------|------|-------|-------------|------|---------|------------|
|                            | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK        |      | DRESSED |            |
|                            |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH (mm) |      |         | WEIGHT (g) |
|                            |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN        | SD.  |         |            |
| 340-349                    | -      | -    | -    | 1      | 349  | 530  | -    | -    | -    | 1     | 349         | -    | 530     | -          |
| 350-359                    | -      | -    | -    | 1      | 359  | 555  | -    | -    | -    | 1     | 359         | -    | 555     | -          |
| 360-369                    | -      | -    | -    | 3      | 361  | 628  | -    | -    | -    | 3     | 361         | 1.5  | 628     | 28.4       |
| 370-379                    | -      | -    | -    | 7      | 375  | 739  | -    | -    | -    | 7     | 375         | 2.9  | 739     | 47.7       |
| 380-389                    | -      | -    | -    | 26     | 386  | 803  | -    | -    | -    | 26    | 386         | 2.6  | 803     | 57.0       |
| 390-399                    | -      | -    | -    | 31     | 395  | 865  | -    | -    | -    | 31    | 395         | 3.0  | 865     | 68.9       |
| 400-409                    | -      | -    | -    | 35     | 404  | 895  | -    | -    | -    | 35    | 404         | 2.2  | 895     | 74.9       |
| 410-419                    | -      | -    | -    | 44     | 415  | 964  | -    | -    | -    | 44    | 415         | 2.9  | 964     | 74.9       |
| 420-429                    | -      | -    | -    | 25     | 425  | 1019 | -    | -    | -    | 25    | 425         | 2.4  | 1019    | 57.0       |
| 430-439                    | -      | -    | -    | 19     | 434  | 1110 | -    | -    | -    | 19    | 434         | 2.9  | 1110    | 64.0       |
| 440-449                    | -      | -    | -    | 8      | 444  | 1131 | -    | -    | -    | 8     | 444         | 2.5  | 1131    | 89.7       |
| 450-459                    | -      | -    | -    | 6      | 455  | 1215 | -    | -    | -    | 6     | 455         | 3.3  | 1215    | 74.0       |
| 460-469                    | -      | -    | -    | 2      | 467  | 1508 | -    | -    | -    | 2     | 467         | 0.7  | 1508    | 123.7      |
| 470-479                    | -      | -    | -    | 1      | 471  | 1260 | -    | -    | -    | 1     | 471         | -    | 1260    | -          |
| 480-489                    | -      | -    | -    | 1      | 486  | 1890 | -    | -    | -    | 1     | 486         | -    | 1890    | -          |
| TOTAL                      | -      | -    | -    | 210    | -    | -    | -    | -    | -    | 210   | -           | -    | -       | -          |
| MEAN                       | -      | -    | -    |        | 410  | 946  | -    | -    | -    |       | 410         | 22.0 | 946     | 164.6      |

Table 49. Length composition of commercial whitefish for each seasonal period from area IV, 1998/99.

| LENGTH<br>INTERVAL<br>(mm) | WINTER |      |      | SUMMER |      |      | FALL |      |      | TOTAL |        |      |         |       |
|----------------------------|--------|------|------|--------|------|------|------|------|------|-------|--------|------|---------|-------|
|                            | NO.    | MEAN | MEAN | NO.    | MEAN | MEAN | NO.  | MEAN | MEAN | NO.   | FORK   |      | DRESSED |       |
|                            |        | FORK | DR.  |        | FORK | DR.  |      | FORK | DR.  |       | LENGTH | (mm) | WEIGHT  | (g)   |
|                            |        | LEN. | WT.  |        | LEN. | WT.  |      | LEN. | WT.  |       | MEAN   | SD.  | MEAN    | SD.   |
|                            |        | (mm) | (g)  |        | (mm) | (g)  |      | (mm) | (g)  |       |        |      |         |       |
| 330-339                    | 1      | 333  | 465  | -      | -    | -    | 1    | 333  | 440  | 2     | 333    | 0.0  | 453     | 17.7  |
| 340-349                    | 3      | 344  | 503  | -      | -    | -    | 1    | 340  | 460  | 4     | 343    | 3.8  | 493     | 61.7  |
| 350-359                    | 4      | 354  | 613  | -      | -    | -    | 1    | 356  | 515  | 5     | 355    | 2.7  | 593     | 57.3  |
| 360-369                    | 20     | 364  | 625  | -      | -    | -    | 3    | 365  | 550  | 23    | 364    | 2.2  | 615     | 47.9  |
| 370-379                    | 24     | 374  | 674  | -      | -    | -    | 8    | 374  | 605  | 32    | 374    | 2.6  | 656     | 51.2  |
| 380-389                    | 37     | 383  | 718  | -      | -    | -    | 15   | 383  | 710  | 52    | 383    | 2.7  | 716     | 55.7  |
| 390-399                    | 45     | 393  | 765  | -      | -    | -    | 34   | 394  | 743  | 79    | 393    | 2.7  | 755     | 48.7  |
| 400-409                    | 36     | 403  | 810  | -      | -    | -    | 31   | 403  | 812  | 67    | 403    | 2.7  | 811     | 58.8  |
| 410-419                    | 19     | 412  | 887  | -      | -    | -    | 32   | 413  | 864  | 51    | 413    | 2.8  | 873     | 67.8  |
| 420-429                    | 8      | 423  | 935  | -      | -    | -    | 34   | 423  | 893  | 42    | 423    | 2.6  | 901     | 69.7  |
| 430-439                    | 5      | 433  | 996  | -      | -    | -    | 19   | 433  | 966  | 24    | 433    | 2.5  | 972     | 72.3  |
| 440-449                    | 3      | 445  | 1097 | -      | -    | -    | 10   | 443  | 1031 | 13    | 444    | 2.6  | 1046    | 78.4  |
| 450-459                    | 1      | 458  | 1000 | -      | -    | -    | 10   | 452  | 1092 | 11    | 452    | 2.9  | 1084    | 71.8  |
| 460-469                    | 3      | 463  | 1232 | -      | -    | -    | 6    | 463  | 1258 | 9     | 463    | 3.0  | 1249    | 74.5  |
| 470-479                    | -      | -    | -    | -      | -    | -    | 2    | 476  | 1358 | 2     | 476    | 0.7  | 1358    | 152.0 |
| 480-489                    | -      | -    | -    | -      | -    | -    | 2    | 483  | 1435 | 2     | 483    | 0.7  | 1435    | 77.8  |
| 500-509                    | -      | -    | -    | -      | -    | -    | 1    | 500  | 1500 | 1     | 500    | -    | 1500    | -     |
| TOTAL<br>MEAN              | 209    | 392  | 768  | -      | -    | -    | 210  | 413  | 863  | 419   | 403    | 26.1 | 816     | 162.2 |

